

## Fas/CD95 Recombinant Protein | FAS recombinant protein

Fas/CD95 Protein, Human, Recombinant (ECD, His Tag)

CATALOG #  
**AAA257404**

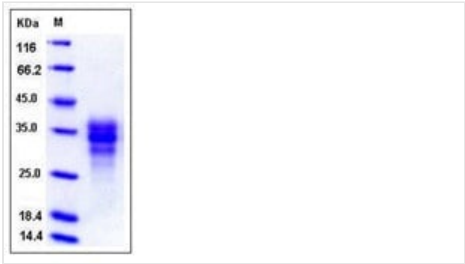
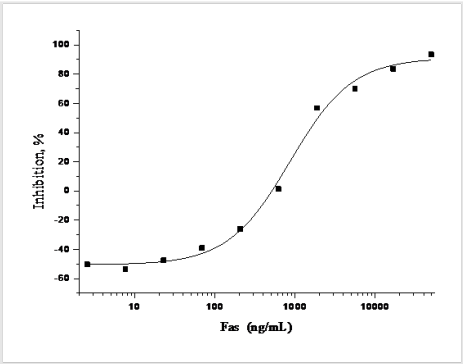
HOST  
**HEK293 Cells**

### PRODUCT SYNONYMS

Fas/CD95; Fas/CD95 Protein; Human; Recombinant (ECD; His Tag); Human FAS/CD95/APO-1/TNFRSF6 Protein (His Tag); Fas cell surface death receptor; ALPS1A Protein; APO-1 Protein; APT1 Protein; CD95 Protein; FAS1 Protein; FASTM Protein; TNFRSF6 Protein; FAS recombinant protein

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                  |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                    | HEK293 Cells                                                                                                                                                                                                                                                                                                                     |
| Purity/Purification     | >95 % as determined by SDS-PAGE                                                                                                                                                                                                                                                                                                  |
| Form/Format             | Lyophilized from sterile PBS, pH7.4 Normally 5%-8% trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.                                                                                                                                                                                         |
| Sequence Positions      | 159aa                                                                                                                                                                                                                                                                                                                            |
| Sequence                | Met1-Asn173                                                                                                                                                                                                                                                                                                                      |
| Species                 | Human                                                                                                                                                                                                                                                                                                                            |
| Tag                     | C-His                                                                                                                                                                                                                                                                                                                            |
| Endotoxin               | <1.0EU per ug of the protein as determined by the LAL method                                                                                                                                                                                                                                                                     |
| Predicted N Terminal    | Gln26                                                                                                                                                                                                                                                                                                                            |
| Protein Construction    | A DNA sequence encoding the extracellular domain (Met 1-Asn 173) of human FAS antigen (NP_000034.1) was expressed, with a C-terminal polyhistidine tag                                                                                                                                                                           |
| Activity                | Measured by its ability to inhibit Fas Ligand induced apoptosis of Jurkat human acute T cell leukemia cells. The ED50 for this effect is typically 0.2-1.2ug/mL in the presence of 200ng/mL recombinant human Fas ligand.                                                                                                        |
| Preparation and Storage | Samples are stable for up to twelve months from date of receipt at -20 degree C to -80 degree C. Store it under sterile conditions at -20 degree C to -80 degree C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.<br>Shipping: They are shipped out with blue ice pack |



Application Data

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ADDITIONAL INFORMATION

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|----------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Related Product Information for FAS recombinant protein</b> | CD95 (APO-1/Fas) is an important inducer of the extrinsic apoptosis signaling pathway and therapy induced apoptosis of many tumor cells has been linked to the activity of CD95. is a prototype death receptor characterized by the presence of an 80 amino acid death domain in its cytoplasmic tail. This domain is essential for the recruitment of a number of signaling components upon activation by either agonistic anti-CD95 antibodies or cognate CD95 ligand that initiate apoptosis. The complex of proteins that forms upon triggering of CD95 is called the death-inducing signaling complex (DISC). The DISC consists of an adaptor protein and initiator caspases and is essential for induction of apoptosis. CD95 is also crucial for the negative selection of B cells within the germinal center (GC). Impairment of CD95-mediated apoptosis results in defective affinity maturation and the persistence of autoreactive B-cell clones. Changes in the expression of CD95 and/or its ligand CD95L are frequently found in human cancer. The downregulation or mutation of CD95 has been proposed as a mechanism by which cancer cells avoid destruction by the immune system through reduced apoptosis sensitivity. Thus, CD95 has therefore been viewed as a tumor suppressor. CD95 has been reported to be involved in the activation of NF-kappaB, MAPK3/ERK1, MAPK8/JNK, and the alternate pathways for CTL-mediated cytotoxicity. Accordingly, this protein is implicated in the pathogenesis of various malignancies and diseases of the immune system. The CD95/CD95L system was implicated in the etiology of inflammatory bowel disease (IBD) based, primarily, on the finding that CD95 is highly expressed in the intestinal epithelial cells and that epithelial apoptosis is increased in IBD. |
| <b>Product Categories/Family for FAS recombinant protein</b>   | Tumor Suppressors; Death Receptor Signaling                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>References</b>                                              | Mschen M, et al. (2002) The origin of CD95-gene mutations in B-cell lymphoma. Trends Immunol. 23(2): 75-80.Peter ME, et al. (2003) The CD95(APO-1/Fas) DISC and beyond. Cell Death Differ. 10(1): 26-35.Peter ME, et al. (2005) Does CD95 have tumor promoting activities Biochim Biophys Acta. 1755(1): 25-36.Chen L, et al. (2010) Cell death in the colonic epithelium during inflammatory bowel diseases: CD95/Fas and beyond. Inflamm Bowel Dis. 16(6): 1071-6.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                |
|----------------------------------|------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 4507583                                                                                        |
| NCBI GeneID                      | 355                                                                                            |
| NCBI Accession #                 | NP_000034.1                                                                                    |
| NCBI GenBank Nucleotide #        | NM_000043.4                                                                                    |
| UniProt Accession #              | P25445; Q14292; Q14293; Q14294; Q14295; Q16652; Q5T9P1; Q5T9P2; Q5T9P3; Q6SSE9; A9UJX4; B6VNV4 |
| Molecular Weight                 | 37,732 Da                                                                                      |
| NCBI Official Full Name          | tumor necrosis factor receptor superfamily member 6 isoform 1                                  |
| NCBI Official Synonym Full Names | Fas cell surface death receptor                                                                |

|                               |                                                                                                                                                                                                                                                                 |
|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI Official Symbol          | FAS                                                                                                                                                                                                                                                             |
| NCBI Official Synonym Symbols | APT1; CD95; FAS1; APO-1; FASTM; ALPS1A; TNFRSF6                                                                                                                                                                                                                 |
| NCBI Protein Information      | tumor necrosis factor receptor superfamily member 6; Fas AMA; FAS 827dupA; CD95 antigen; FASLG receptor; apoptosis antigen 1; Delta Fas/APO-1/CD95; APO-1 cell surface antigen; TNF receptor superfamily member 6; apoptosis-mediating surface antigen FAS; Fas |
| UniProt Protein Name          | Tumor necrosis factor receptor superfamily member 6                                                                                                                                                                                                             |
| UniProt Gene Name             | <b>FAS</b>                                                                                                                                                                                                                                                      |
| UniProt Synonym Gene Names    | APT1; FAS1; TNFRSF6                                                                                                                                                                                                                                             |
| UniProt Entry Name            | TNR6_HUMAN                                                                                                                                                                                                                                                      |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/fas-recombinant-protein-hek293/257404>