

DR6 Active Protein | TNFRSF21 active protein

DR6 Protein, Human, Recombinant (His Tag)

CATALOG #
AAA257839

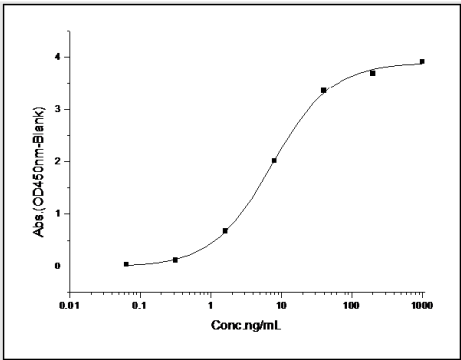
HOST
HEK293 Cells

PRODUCT SYNONYMS

DR6; DR6 Protein; Human; Recombinant (His Tag); Human DR6/TNFRSF21 Protein (His Tag); BM-018 Protein; CD358 Protein; tumor necrosis factor receptor superfamily; member 21; TNFRSF21 active protein

PRODUCT SPECIFICATIONS

Host	HEK293 Cells
Purity/Purification	>96% as determined by SDS-PAGE
Form/Format	Lyophilized from sterile PBS, pH7.5. Normally 5%-8% trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the hard copy of CoA.
Sequence	Met1-Leu350
Species	Human
Endotoxin	<1.0EU per ug of the protein as determined by the LAL method
Predicted N Terminal	Gln 42
Tag	C-His
Protein Construction	A DNA sequence encoding the extracellular domain (Met 1-Leu 350) of human DR6 (NP_055267.1) was expressed with a polyhistidine tag at the C-terminus.
Reconstitution	A hardcopy of COA with reconstitution instruction is sent along with the products. Please refer to it for detailed information.
Activity	1. Measured by its binding ability in a functional ELISA. 2. Immobilized recombinant human DR6-his at 10ug/mL (100uL/well) can bind biotinylated human APP-Fc with a linear range of 0.0125-0.4ug/mL.
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. In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice.



SDS-PAGE

Application Data
Measured by its binding ability in a functional ELISA. Immobilized recombinant human DR6-his at 10 ug/mL (100 ul/well) can bind biotinylated human APP-Fc with a linear range of 0.0125-0.4 ug/mL.

ADDITIONAL INFORMATION

Related Product Information for TNFRSF21 active protein	Background: TNFRSF21 (death receptor-6, DR6) is an orphan TNF receptor superfamily member and belongs to a subgroup of receptors called death receptors. This type I transmembrane receptor possesses four extracellular cysteine-rich motifs and a cytoplasmic death domain. DR6 is an extensively posttranslationally modified transmembrane protein and that N- and O-glycosylations of amino acids in its extracellular part. DR6 interacts with the adaptor protein TRADD and mediates signal transduction through its death domain, and expression of DR6 in mammalian cells induces activation of both NF-kappaB and JNK and cell apoptosis. DR6 knockout mice have enhanced CD4+ T cell proliferation and Th2 cytokine production, suggested that DR6 serves as an important regulatory molecule in T-helper cell activation, and is involved in inflammation and immune regulation. DR6 is expressed ubiquitously with high expression in lymphoid organs, heart, brain and pancreas. Some tumor cells overexpress DR6, typically in conjunction with elevated anti-apoptosis molecules. DR6 may also be involved in tumor cell survival and immune evasion, which is subject to future investigations.
Product Categories/Family for TNFRSF21 active protein	Death Receptor Signaling
References	Pan G, et al. (1998) Identification and functional characterization of DR6, a novel death domain-containing TNF receptor. FEBS Lett. 431(3): 351-6.Benschop R, et al. (2009) Tumor necrosis factor receptor superfamily member 21: TNFR-related death receptor-6, DR6. Adv Exp Med Biol. 647: 186-94.Klima M, et al. (2009) Functional analysis of the posttranslational modifications of the death receptor 6. Biochim Biophys Acta. 1793(10): 1579-87.

NCBI AND UNIPROT INFORMATION

NCBI GI #	7657039
NCBI GeneID	27242
NCBI Accession #	NP_055267.1
NCBI GenBank Nucleotide #	NM_014452.4
UniProt Accession #	O75509; Q0D2P5; Q96D86; B2RDI9
Molecular Weight	71,845 Da
NCBI Official Full Name	tumor necrosis factor receptor superfamily member 21
NCBI Official Synonym Full Names	TNF receptor superfamily member 21
NCBI Official Symbol	TNFRSF21
NCBI Official Synonym Symbols	DR6; CD358; BM-018
NCBI Protein Information	tumor necrosis factor receptor superfamily member 21

UniProt Protein Name	Tumor necrosis factor receptor superfamily member 21
UniProt Gene Name	TNFRSF21
UniProt Synonym Gene Names	DR6
UniProt Entry Name	TNR21_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/hek293-tnfrsf21-active-protein/dr6/257839>