

Tumor necrosis factor ligand superfamily member 6 Recombinant Protein | FASLG recombinant protein

Recombinant Human Tumor necrosis factor ligand superfamily member 6

CATALOG # AAA114094	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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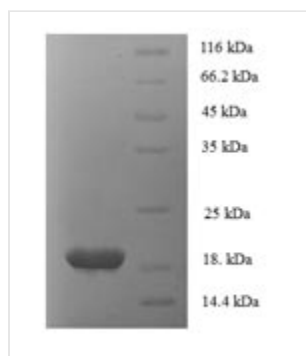
PRODUCT SYNONYMS

Tumor necrosis factor ligand superfamily member 6; Recombinant Human Tumor necrosis factor ligand superfamily member 6; Apoptosis antigen ligand; APTLCD95 ligand; CD95-LFas antigen ligand; Fas ligand; FasL; CD178; FASLG recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	130-281aa; Full Length of Mature Protein
Sequence	QIGHPSPPPE KKELRKVAHL TGKSNSRSMP LEWEDTYGIV LLSGVKYKKG GLVINETGLY FVYSKVYFRG QSCNNLPLSH KVYMRNSKYP QDLVMMEGKM MSYCTTGQMW ARSSYLGAUF NLTSADHLYV NVSELSLVNF EESQTFFGLY KL
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for FASLG recombinant protein	Cytokine that binds to TNFRSF6/FAS, a receptor that transduces the apoptotic signal into cells. May be involved in cytotoxic T-cell mediated apoptosis and in T-cell development. TNFRSF6/FAS-mediated apoptosis may have a role in the induction of peripheral tolerance, in the antigen-stimulated suicide of mature T-cells, or both. Binding to the decoy receptor TNFRSF6B/DcR3 modulates its effects.
Product Categories/Family for FASLG recombinant protein	Apoptosis

References	Fas ligand mediates activation-induced cell death in human T lymphocytes.Alderson M.J. Exp. Med. 181:71-77(1995) Human Fas ligand gene structure, chromosomal location and species specificity.Takahashi T., Tanaka M., Inazawa J., Abe T., Suda T., Nagata S.Int. Immunol. 6:1567-1574(1994) Schaetzlein C.E., Poehlmann R., Philippesen P., Eibel H.Role of Fas ligand in apoptosis induced by hepatitis C virus infection.Mita E., Hayashi N., Iio S., Takehara T., Hijioka T., Kasahara A., Fusamoto H., Kamada T.Biochem. Biophys. Res. Commun. 204:468-474(1994) Isolation and characterization of a new naturally occurring variant of human Fas ligand that is expressed only in membrane bound form.Zeytun A., Nagarkatti M., Nagarkatti P.S. The DNA sequence and biological annotation of human chromosome 1.Gregory S.G., Barlow K.F., McLay K.E., Kaul R., Swarbreck D., Dunham A., Scott C.E., Howe K.L., Woodfine K., Spencer C.C.A., Jones M.C., Gillson C., Searle S., Zhou Y., Kokocinski F., McDonald L., Evans R., Phillips K., Atkinson A., Cooper R., Jones C., Hall R.E., Andrews T.D., Lloyd C., Ainscough R., Almeida J.P., Ambrose K.D., Anderson F., Andrew R.W., Ashwell R.I.S., Aubin K., Babbage A.K., Bagguley C.L., Bailey J., Beasley H., Bethel G., Bird C.P., Bray-Allen S., Brown J.Y., Brown A.J., Buckley D., Burton J., Bye J., Carder C., Chapman J.C., Clark S.Y., Clarke G., Clee C., Cobley V., Collier R.E., Corby N., Coville G.J., Davies J., Deadman R., Dunn M., Earthrowl M., Ellington A.G., Errington H., Frankish A., Frankland J., French L., Garner P., Garnett J., Gay L., Ghorri M.R.J., Gibson R., Gilby L.M., Gillett W., Glithero R.J., Grafham D.V., Griffiths C., Griffiths-Jones S., Grocock R., Hammond S., Harrison E.S.I., Hart E., Haugen E., Heath P.D., Holmes S., Holt K., Howden P.J., Hunt A.R., Hunt S.E., Hunter G., Isherwood J., James R., Johnson C., Johnson D., Joy A., Kay M., Kershaw J.K., Kibukawa M., Kimberley A.M., King A., Knights A.J., Lad H., Laird G., Lawlor S., Leongamornlert D.A., Lloyd D.M., Loveland J., Lovell J., Lush M.J., Lyne R., Martin S., Mashreghi-Mohammadi M., Matthews L., Matthews N.S.W., McLaren S., Milne S., Mistry S., Moore M.J.F., Nickerson T., O'Dell C.N., Oliver K., Palmeiri A., Palmer S.A., Parker A., Patel D., Pearce A.V., Peck A.I., Pelan S., Phelps K., Phillimore B.J., Plumb R., Rajan J., Raymond C., Rouse G., Saenphimmachak C., Sehra H.K., Sheridan E., Shownkeen R., Sims S., Skuce C.D., Smith M., Steward C., Subramanian S., Sycamore N., Tracey A., Tromans A., Van Helmond Z., Wall M., Wallis J.M., White S., Whitehead S.L., Wilkinson J.E., Willey D.L., Williams H., Wilming L., Wray P.W., Wu Z., Coulson A., Vaudin M., Sulston J.E., Durbin R.M., Hubbard T., Wooster R., Dunham I., Carter N.P., McVean G., Ross M.T., Harrow J., Olson M.V., Beck S., Rogers J., Bentley D.R.Nature 441:315-321(2006) Matsumura M., Nakanishi Y., Ohba Y. Fas ligand mutation in a patient with systemic lupus erythematosus and lymphoproliferative disease.Wu J., Wilson J., He J., Xiang L., Schur P.H., Mountz J.D.J. Clin. Invest. 98:1107-1113(1996) Characterization of Fas (Apo-1, CD95) - Fas ligand interaction.Schneider P., Bodmer J.-L., Holler N., Mattmann C., Scuderi P., Tersikh A., Peitsch M.C., Tschoep J.J. Biol. Chem. 272:18827-18833(1997) Downregulation of Fas ligand by shedding.Tanaka M., Itai T., Adachi M., Nagata S.Nat. Med. 4:31-36(1998) The Fas ligand intracellular domain is released by ADAM10 and SPPL2a cleavage in T-cells.Kirkin V., Cahuzac N., Guardiola-Serrano F., Huault S., Luckeath K., Friedmann E., Novac N., Wels W.S., Martoglio B., Hueber A.O., Zornig M.Cell Death Differ. 14:1678-1687(2007) Sorting of Fas ligand to secretory lysosomes is regulated by mono-ubiquitylation and phosphorylation.Zuccato E., Blott E.J., Holt O., Sigismund S., Shaw M., Bossi G., Griffiths G.M.J. Cell Sci. 120:191-199(2007) Identification of SH3 domain interaction partners of human FasL (CD178) by phage display screening.Voss M., Lettau M., Janssen O.BMC Immunol. 10:53-53(2009)
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4557329
NCBI GeneID	356
NCBI Accession #	NP_000630.1
NCBI GenBank Nucleotide #	NM_000639.2
UniProt Accession #	P48023; Q9BZP9
Molecular Weight	19.3 kDa
NCBI Official Full Name	tumor necrosis factor ligand superfamily member 6 isoform 1
NCBI Official Synonym Full Names	Fas ligand
NCBI Official Symbol	FASLG
NCBI Official Synonym Symbols	APTL; FASL; CD178; CD95L; ALPS1B; CD95-L; TNFSF6; TNLG1A; APT1LG1
NCBI Protein Information	tumor necrosis factor ligand superfamily member 6
UniProt Protein Name	Tumor necrosis factor ligand superfamily member 6
UniProt Gene Name	FASLG

UniProt Synonym Gene Names	APT1LG1; CD95L; FASL; TNFSF6; APTL; CD95-L; Fas ligand; FasL; sFasL; APL; FasL ICD; SPA
UniProt Entry Name	TNFL6_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/faslg-recombinant-protein-e-coli/114094>