

FasL active protein

FasL protein

CATALOG #
AAA75199

HOST
Human

PRODUCT SYNONYMS

FasL; FasL protein; Apo I Ligand protein; CD95L protein; TNFSF6 protein; soluble Fas Ligand protein; APTL protein; sFASL protein; FasL active protein

PRODUCT SPECIFICATIONS

Host	Human
Purity/Purification	> 98% by SDS-PAGE gel and HPLC Analyses.
Form/Format	Sterile filtered through a 0.2 micron filter. Lyophilized from 1 x PBS, pH 7.2. Reconstitute in water to a concentration of 0.1-1.0 mg/ml
Concentration	10ug per vial (varies by lot)
Sequence	Region of FasL protein corresponds to amino acid sequence: HHHHHHHH HHPSPPEKK ELRKVAHLTG KSNSRSMPLWEDTYGIVLL SGVKYKKGGL VINETGLYFV YSKVYFRGQS C>NNLPLSHKV YMRNSKYPQD LVMMEGKMMS YCTTGQMWAR SSYLGAVFNL TSADHLYNVN SELSLVNFEESQTFFGLYKL.
Sequence Length	281
Protein Type	Recombinant
Biological Significance	Fas and Fas Ligand (FasL) belong to the TNF superfamily and are type I and type II transmembrane proteins, respectively. Binding of FasL to Fas triggers apoptosis in Fas-bearing cells. The mechanism of apoptosis involves recruitment of pro-caspase 8 through an adaptor molecule called FADD followed by processing of the pro-enzyme to active forms. These active caspases then cleave various cellular substrates leading to the eventual cell death. sFasR is capable of inhibiting FasL-induced apoptosis by acting as a decoy receptor that serves as a sink for FasL. The full length Fas (receptor) is a 319 amino acid type I transmembrane protein, which contains a 157 amino acid extracellular domain, a 17 amino acid transmembrane domain, and 145 amino acid cytoplasmic domain.
Bioactivity	Determined by its ability to induce cytotoxicity in Jurkat cells in the absence of any cross-linking. The ED50 for this effect is approximately 10.0 ng/ml, corresponding to a specific activity of approximately 1×10^5 units/mg.
Endotoxin Levels	Endotoxin level is less than 0.1 ng per ug (1 EU/ug).
Expression System	CHO cells
Biohazard	Use standard laboratory precautions when handling this material.
Preparation and Storage	Ships ambient or refrigerated. Upon receipt store at 4 degree C short term, -20 degree C long term. After reconstituted, the solution can be stored at 4 degree C for up to 1 week. Working aliquots stored with a carrier protein are stable for at least 12 months at -20 degree C to -80 degree C. Avoid repeated freeze-thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for FasL active protein	Purified soluble Human FasL protein
Product Categories/Family for FasL active protein	Cancer

NCBI AND UNIPROT INFORMATION

NCBI GI #	28569614
NCBI GeneID	356
UniProt Accession #	P48023; Q9BZP9
Molecular Weight	17.6 kDa
NCBI Official Full Name	Fas ligand
NCBI Official Synonym Full Names	Fas ligand (TNF superfamily, member 6)
NCBI Official Symbol	FASLG
NCBI Official Synonym Symbols	APTL; FASL; CD178; CD95L; ALPS1B; CD95-L; TNFSF6; 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.

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Online datasheet: <https://stage.aaabiotech.com/human-active-protein/fasl/75199>