

Active Recombinant Human FASLG Protein (139-281, Multimeric), FLAG tagged

Cat. No. FASLG-12H Lot. No. (See product label)

SPECIFICATION

Product Overview	Human FasL (aa 139-281) is fused at the N-terminus to mouse ACRP30headless (aa 18-111) and a FLAG-tag.
Species	Human
Source	HEK293
ProteinLength	139-281
Description	This gene is a member of the tumor necrosis factor superfamily. The primary function of the encoded transmembrane protein is the induction of apoptosis triggered by binding to FAS. The FAS/FASLG signaling pathway is essential for immune system regulation, including activation-induced cell death (AICD) of T cells and cytotoxic T lymphocyte induced cell death. It has also been implicated in the progression of several cancers. Defects in this gene may be related to some cases of systemic lupus erythematosus (SLE). Alternatively spliced transcript variants have been described.
Form	Lyophilized
Bio-activity	Induces apoptosis of human Jurkat T cells at a concentration of < 0.2 ng/mL.
Molecular Mass	~40kDa (SDS-PAGE)
Endotoxin	<0.02 EU/μg purified protein (LAL test).

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Purity	≥95% (SDS-PAGE)
Stability	Stable for at least 6 months after receipt when stored at -20 centigrade. Working aliquots are stable for up to 3 months when stored at -20 centigrade.
Storage	Short Term Storage: +4 centigrade Long Term Storage: -20 centigrade
Concentration	0.1 mg/mL after reconstitution.
Storage Buffer	Lyophilized. Contains PBS.
Reconstitution	Reconstitute with 100 µL sterile water.
Handling	After reconstitution, prepare aliquots and store at -20 centigrade. Avoid freeze/thaw cycles. Centrifuge lyophilized vial before opening and reconstitution. PBS containing at least 0.1% BSA should be used for further dilutions.
Shipping	BLUE ICE

GENE INFORMATION

Gene Name	FASLG Fas ligand [Homo sapiens (human)]
Official Symbol	FASLG
Synonyms	FASLG; Fas ligand; APTL; FASL; CD178; CD95L; ALPS1B; CD95-L; TNFSF6; TNLG1A; APT1LG1; tumor necrosis factor ligand superfamily member 6; CD95 ligand; Fas ligand (TNF superfamily, member 6); apoptosis (APO-1) antigen ligand 1; apoptosis antigen ligand; fas antigen ligand; mutant tumor necrosis factor family

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member 6; tumor necrosis factor ligand 1A

Gene ID 356

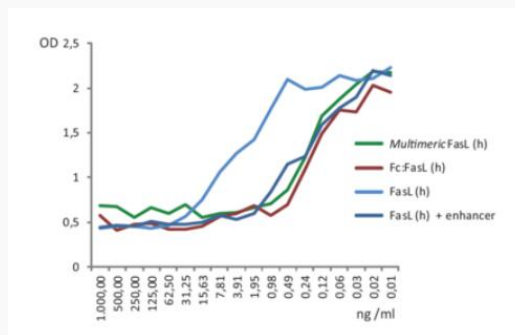
mRNA Refseq NM_000639

Protein Refseq NP_000630

MIM 134638

UniProt ID P48023

Oligomerisation of FasL (h) efficiently triggers Jurkat cell death.



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