Active Recombinant Human FAS Protein, Flag tagged

Cat. No. FAS-38H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	The extracellular domain of human FasL (aa 103-281) fused at the N-terminus to a FLAG-tag was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	103-281 aa
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.
Bio-activity	Induces apoptosis of human Jurkat T cells at a concentration of <1 ng/mL in the presence of 0.1 to 1μg/mL TNF Ligands Enhancer. In the absence of TNF Ligands Enhancer, FasL is working at 50-100 fold higher concentrations.
Molecular Mass	~33 kDa
Endotoxin	<0.05 EU/μg purified protein by LAL test.

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Purity	≥95% by SDS-PAGE
Storage	Short Term Storage: +4 centigrade Long Term Storage: -20 centigrade 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.
Concentration	0.1 mg/mL after reconstitution.
Shipping	Blue Ice
Reconstitution	Reconstitute with 100μL sterile water.
Reference	1. Tumor necrosis factor receptor family costimulation increases regulatory T-cell activation and function via NF-κB: M. Lubrano di Ricco, et al.; Eur. J. Immunol. 50, 972 (2020) 2. Targeting adrenergic receptors to mitigate invariant natural killer T cells-induced acute liver injury: MB. Gon zatti, et al.; iScience 26, 107947 (2023)
Storage Buffer	Lyophilized. Contains PBS.
Handling Advice	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.
Crossreactivity	Human, Mouse

GENE INFORMATION

Gene Name	FASLG Fas ligand [Homo sapiens (human)]
Official Symbol	FASLG

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

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 member 6; tumor necrosis factor ligand 1A
Gene ID	356
mRNA Refseq	NM_000639
Protein Refseq	NP_000630
MIM	134638
UniProt ID	P48023

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA