

Recombinant Human Fas Ligand (TNF superfamily, member 6)

Cat. No. FASLG-5413H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Humansoluble FASLG contains 175 amino acid residues and comprises the TNFhomologous region of FasL.
Species	Human
Source	CHO
Description	FASLG is a type-II transmembraneprotein that belongs to the tumor necrosis factor (TNF) family. Its bindingwith its receptor induces apoptosis. Fas ligand/receptor interactions play animportant role in the regulation of the immune system and the progression ofcancer.
Form	Lyophilized withoutadditives.
Molecular Weight	19.9 kDa
Purity	>98% asdetermined by SDS-PAGE analysis.
Endotoxin Level	<0.1 ng/ug
Biological Activity	Determined by itsability to induce cytotoxicity in Jurkat cells in the absence of anycross-linking. The EDSO for this effect is<5.0 ng/ml.
Specific Activity	>2 x 105units/mg

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Reconstitution	Centrifuge vial prior to opening. First add sterile distilled water to the vial to fully solubilize the protein to a concentration of 0.1-1.0 mg/ml. After complete solubilization of the protein, it can be further diluted to other aqueous solutions.
Storage	Store lyophilized protein at -20°C and reconstituted protein in working aliquots at -20°C. Avoid repeated freeze-thaw cycles.
Official Symbol	FASLG
GENE INFORMATION	
Gene Name	FASLG Fas ligand (TNF superfamily, member 6) [Homo sapiens]
Synonyms	FASLG; Fas ligand (TNF superfamily, member 6); FASL; CD178; CD95L; CD95-L; TNFSF6; APT1LG1; tumor necrosis factor ligand superfamily member 6; APTL; CD95 ligand; OTTHUMP00000032708; fas antigen ligand; apoptosis antigen ligand; apoptosis (APO-1) antigen ligand 1; tumor necrosis factor (ligand) superfamily, member 6
Gene ID	356
mRNA Refseq	NM_000639
Protein Refseq	NP_000630
MIM	134638
UniProt ID	P48023
Chromosome	1q23

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Location	
Pathway	Activation of Pro-Caspase 8; African trypanosomiasis; Allograft rejection; Apoptosis; Autoimmune thyroid disease; Calcineurin-regulated NFAT-dependent transcription in lymphocytes; Calcium signaling in the CD4+ TCR pathway; Caspase-8 is formed from procaspase-8; Death Receptor Signalling; FoxO family signaling; Influenza A; MAPK signaling pathway; Measles; Pathways in cancer; Type I diabetes mellitus
Function	cytokine activity; protein binding; receptor binding; tumor necrosis factor receptor binding

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