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 vialprior to opening. First add sterile distilled water to the vial to fullysolubilize the protein to a concentration of 0.1-1.0 mg/ml. After completesolubilization of the protein, it can be further diluted to other aqueoussolutions.
Storage	Store lyophilizedprotein at -20°C and reconstituted protein in working aliquots at -20°C.Avoid repeated freeze-thaw cycles.
OfficialSymbol	FASLG

GENE INFORMATION

Gene Name	FASLG Fas ligand (TNFsuperfamily, 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; CD95ligand; 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	Activationof Pro-Caspase 8; Africantrypanosomiasis; Allograft rejection;Apoptosis; Autoimmune thyroid disease; Calcineurin-regulatedNFAT-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; MAPKsignaling 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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