

Recombinant Human Fas Ligand (TNF superfamily, member 6), His-tagged

Cat. No. FASLG-5412H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human soluble Fas Ligand contains 175 amino acid residues and comprises the TNF homologous region of Fas plus an eight His-Tag.
Species	Human
Source	CHO
Description	FASLG is a type-II transmembrane protein that belongs to the tumor necrosis factor (TNF) family. Its binding with its receptor induces apoptosis. Fas ligand/receptor interactions play an important role in the regulation of the immune system and the progression of cancer.
Form	Lyophilized without additives.
Molecular Weight	17.9 kDa
Purity	<95% by RP-HPLC and SDS-PAGE.
Endotoxin Level	<0.1 ng/ug
Biological Activity	Determined by its ability to induce cytotoxicity in Jurkat cells in the absence of any cross-linking. The EDSO for this effect is <10.0 ng/ml.
Specific Activity	< 1 x 10 ⁵ units/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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