

Recombinant Human Fas ligand (TNF superfamily, member 6)

Cat. No. FASLG-1616H **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	CHO
Description	Fas ligand (FasL) is a type II transmembrane protein that belongs to the tumor necrosis factor (TNF) family. Fas ligand is a homotrimeric protein and signals through trimerization of FasR, which spans the membrane of the "target" cell. This trimerization usually leads to apoptosis, or cell death. Soluble Fas ligand is generated by cleaving membrane-bound FasL at a conserved cleavage site by the external serine matrix metalloproteinase MMP-7. Soluble FasL is less active than their membrane-bound counterparts and do not induce receptor trimerization and DISC formation. FasL is regarded as a potential target for immunotherapy.
Sequence	CD33 Signal Peptide+hhhhhhpspp pekkelrkva hltgksnsrs mplewedtyg ivllsgvkyk kgglvinetg lyfvyskvyf rgqscnnlpl shkvymrnsk ypqdlvmmeq kmmsycttgq mwarssylga vfnltsadhl yvnvselslv nfeesqtffg lykl.
Molecular Weight	The predicted molecular weight of Recombinant Human FasL is 18 kDa. However, the actual molecular weight as observed on polyacrylimide gels is 26 - 28 kDa.
State Of Matter	Lyophilized.
Purity	>95% by SDS Page.

 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

Endotoxin	<1.0 EU/g.
Biological Activity	The biological activity of Human Soluble Fas Ligand is determined by its ability to induce cytotoxicity in Jurkat cells. The expected ED50 for this effect is <1.0 - 3.0 ng/ml, in the presence of 10 µg/ml of a cross-linking antibody.
GENE INFORMATION	
Gene Name	FASLG Fas ligand (TNF superfamily, member 6) [Homo sapiens]
Synonyms	FASLG; Fas ligand (TNF superfamily, member 6); FASL; CD178; CD95L; TNFSF6; APT1LG1; fas ligand; CD95 ligand; apoptosis (APO-1) antigen ligand 1; tumor necrosis factor (ligand) superfamily, member 6; CD95L protein; APTL; CD_antigen; Tumor necrosis factor ligand superfamily member 6, membrane form; Tumor necrosis factor ligand superfamily member 6, soluble form
Gene ID	356
mRNA Refseq	NM_000639
Protein Refseq	NP_000630
MIM	134638
UniProt ID	P48023
Chromosome Location	1q23
Pathway	Allograft rejection; Apoptosis; Autoimmune thyroid disease; Cytokine-cytokine receptor interaction; MAPK signaling pathway; Natural killer cell mediated cytotoxicity;

 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

Neurotrophin signaling pathway; Pathways in cancer; Type I diabetes mellitus

Function

cytokine activity; tumor necrosis factor receptor binding

 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