

Active Recombinant Mouse FasL Protein, His-Tagged

Cat. No. FasL-01M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant mouse FasL Protein, His-tagged was expressed in E. coli cell
Species	Mouse
Source	E.coli
Description	FasL is a member of the TNF superfamily, and is mainly expressed on the cell surface of activated T cells. FasL induces apoptosis in Fas-bearing cells by binding to Fas Receptor. FasL has the ability to leads to down-regulation of the immune response through killing T cells and activated B cells. The mechanism of Fas-induced apoptosis involves recruitment of pro-caspase 8 through an adaptor molecule called FADD, followed by processing of the pro-enzyme into active forms. These active caspases then cleave various cellular substrates, leading to the eventual cell death.
Form	Lyophilized powder
AA Sequence	QIANPSTPSEKKEPRSVAHLTGNPHSR SIPLEWEDTYGTALISGVKYKKGGLVINETG LYFVYSKVYFRGQSCNNQPLNHKVYMRNSKYPEDL VLMEEKRLNYCTTGQIWAHSSYLGAVFNLT SADHLYVNISQLSLINFEEKTFFGLYK L with polyhistidine tag and sumo tag at the N-terminus
Endotoxin	<0.1 EU per 1 µg of the protein by the LAL method.
Bio-activity	Measure by its ability to induce apoptosis in Jurkat cells. The ED50 for this effect is <1 µg /mL.

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Purity	>98% as determined by SDS-PAGE. Ni-NTA chromatography
Storage Buffer	The protein was lyophilized from a solution containing 1X PBS, pH 8.0.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H ₂ O to a concentration not less than 100 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
Storage	Lyophilized protein should be stored at -20°C. Upon reconstitution, protein aliquots should be stored at -20°C or -80°C.
Notes	Please use within one month after protein reconstitution.

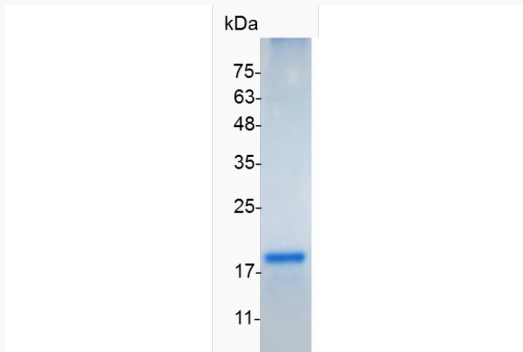
GENE INFORMATION

Gene Name	FasL Fas ligand (TNF superfamily, member 6) [Mus musculus (house mouse)]
Official Symbol	FasL
Synonyms	gld; CD178; CD95L; Fas-L; Faslg; CD95-L; Tnfsf6; Tnlg1a; APT1LG1
Gene ID	14103
mRNA Refseq	NM_001205243.1
Protein Refseq	P_001192172.1
UniProt ID	Q99PH8

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