

## Active Recombinant Mouse FasL Protein, His-Tagged

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant mouse FasL Protein, His-tagged was expressed in E. coli cell
<b>Species</b>	Mouse
<b>Source</b>	E.coli
<b>Description</b>	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.
<b>Form</b>	Lyophilized powder
<b>AA Sequence</b>	QIANPSTPSEKKEPRSV AHLTG NPHSR SIPLEWEDTYGTALISGVKYKKGGLVINETG LYFVYSKVYFRGQSCNNQPLNHKVYMRNSKYPEDL VLMEEKRLNYCTTGQIWAHSSYLGAVFNLT SADHLYVNISQLSLINF EESKTF FGLYK L with polyhistidine tag and sumo tag at the N-terminus
<b>Endotoxin</b>	<0.1 EU per 1 µg of the protein by the LAL method.
<b>Bio-activity</b>	Measure by its ability to induce apoptosis in Jurkat cells. The ED50 for this effect is <1 µg /mL.

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<b>Purity</b>	>98% as determined by SDS-PAGE. Ni-NTA chromatography
<b>Storage Buffer</b>	The protein was lyophilized from a solution containing 1X PBS, pH 8.0.
<b>Reconstitution</b>	It is recommended to reconstitute the lyophilized protein in sterile H <sub>2</sub> 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.
<b>Storage</b>	Lyophilized protein should be stored at -20°C. Upon reconstitution, protein aliquots should be stored at -20°C or -80°C.
<b>Notes</b>	Please use within one month after protein reconstitution.

## GENE INFORMATION

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

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