

FasL/TNFSF6/CD95L/CD178, Mouse, Recombinant

Cat. No. : PCK330

General Information

Synonyms	soluble Fas Ligand (sFasL); TNFSF6; CD95L; Apo I Ligand; APTL; APT1LG1; CD178; Fas-Lg; Tnfs; Tnlg1a; gld
Species	Mouse
Expression host	E.coli
Sequence	QIANPSTPSEKKEPRSV AHLTGNPHSR SIPLEWEDTYGTALISGVKYKKGGLVINETGLYFVYS KVYFRGQSCNNQPLNHKVYMRNSKYPEDLVLMEEKRLNYCTTGQIWAHSSYLGAVFNLT SAD HLYVNIQLSLINFEEKSTFFGLYKL with polyhistidine tag at the N-terminus.
Accession	P41047.1
Tag	His-tag at the N-terminus
Mol mass	18.27 kDa
Expiration date	12 months
Bio activity	Measure by its ability to induce apoptosis in Jurkat cells. The ED50 for this effect is < 1 µg/mL.

Product feature

Purity	> 98% as determined by SDS-PAGE. Ni-NTA chromatography.
Endotoxin (EU/µg)	< 0.1
Storage	Lyophilized protein should be stored at -5~-20°C for 1 year. Upon reconstitution, store at 2-8°C for up to 1 week. Further dilute in a buffer containing a carrier protein or stabilizer (e.g. 0.1% BSA, 10% FBS, 5% HSA or 5% trehalose solution), protein aliquots should be stored at -5~-20°C or -80°C for 3-6 months.
Shipping	Ice bag
Formulation	The protein was lyophilized from a 0.2 µm filtered solution containing 1 × PBS, pH 8.0.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile water to a concentration not less than 100 µg/mL. Do Not Vortex! Vigorous shaking may impair the biological activity of the protein.

Background

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.

SDS-PAGE



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