

Human recombinant FasL (Fas ligand) protein, AF

Catalog Number: PROTP48023-4

Overview

Product Name	Human recombinant FasL (Fas ligand) protein, AF
Description	Fas Ligand (FasL) is a 17.34 kDa tumor necrosis factor with 152 amino acid residues. FasL is expressed from lymphoid tissue and secreted to blood. Binding to its receptor, TNFRSF6/FAS, leads to induce apoptotic signal into cells. Involved in cytotoxic T-cell-mediated apoptosis, natural killer cell-mediated apoptosis and in T-cell development.
Size	5ug,20ug,100ug
Tag	His-SUMO Tag (N-term)
Form	Lyophilized
Source	Escherichia coli
Formulation	The protein was lyophilized from a 0.2 um filtered solution containing 1X PBS, pH 8.0. If you have any concerns or special requirements, please confirm with us.

Storage

Lyophilized protein should be stored at -20°C for 1 year. Upon reconstitution, store at 2°C to 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 -20°C or -80°C for 3-6 months. Avoid repeated freeze/thaw cycles.

Purity

>98% as determined by SDS-PAGE.

Molecular weight

The protein has a calculated MW of 29.51 kDa. The protein migrates as 30-35 kDa under reducing condition (SDS-PAGE analysis).

Activity

Measure by its ability to induce apoptosis in Jurkat cells. The ED₅₀ for this effect is 1 x 10⁷ IU/mg.

Endotoxin

<0.1 EU per 1 ug of the protein by the LAL method.

Amino Acid Sequence

QIGHPSPPPEKKELRKVAHLTGKSNRSMPLEWEDTYGIVLLSGVKYKKGGLVINETGLYFVYSKVYFRGQSCNNLPLSHKVYMRNSKYPQDLVMMEG
KMMSYCTTGQMWARSSYLGAVFNLTSADHLYVNVSELSLVNFEEESQTFGLYKL with polyhistidine tag and sumo tag at the N- terminus

Reconstitution

Centrifuge at 3000 rpm for 5 mins before opening. It is recommended to reconstitute the lyophilized protein in sterile H₂O to a concentration not less than 100 ug/mL and incubate the stock solution at room temperature for at least 20 mins to ensure sufficient re-dissolved. Do Not Vortex! Vigorous shaking may impair the biological activity of the protein.

Usage

Boster's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

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