

Datasheet for ABIN7274588

**FASL Protein (His tag)**

3 Images

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## Overview

Quantity:	100 µg
Target:	FASL
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This FASL protein is labelled with His tag.

## Product Details

Sequence:	Pro134-Leu281
Purity:	> 95% as determined by Tris-Bis PAGE
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	Immobilized Human Fas Ligand, His Tag at 2µg/ml (100µl/Well) on the plate. Dose response curve for Human Fas, hFc Tag with the EC50 of 0.12µg/ml determined by ELISA. The affinity constant of 19.45 nM as determined in SPR assay (Biacore T200). See testing image for detail.

## Target Details

Target:	FASL
Alternative Name:	Fas Ligand ( <a href="#">FASL Products</a> )
Background:	APTL, CD95-L, Fas ligand, APT1LG1, TNFSF6, FASLG, ALPS1B, CD178, FASL, TNLG1A, Fas ligand (FasL, CD95L) is a 40- kDa type II transmembrane protein that binds to Fas (CD95)

## Target Details

receptors and promotes programmed cell death. Fas receptors are expressed at higher levels in many tumors than in normal cells. Somewhat paradoxically, elimination of Fas or FasL from tumors also leads to death induced by CD95 receptor/ligand elimination (DICE).

Molecular Weight: 18 kDa. Due to glycosylation, the protein migrates to 20-35 kDa based on Tris-Bis PAGE result.

Pathways: [Apoptosis](#), [EGFR Signaling Pathway](#), [Production of Molecular Mediator of Immune Response](#), [Positive Regulation of Endopeptidase Activity](#)

## Application Details

Restrictions: For Research Use only

## Handling

Format: Lyophilized

Reconstitution: Centrifuge tubes before opening. Reconstituting to a concentration more than 100 µg/mL is recommended (usually we use 1 mg/mL solution for lyophilization). Dissolve the lyophilized protein in distilled water.

Buffer: Lyophilized from 0.22µm filtered solution in PBS ( pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.

Storage: 4 °C, -80 °C

Storage Comment: Reconstituted protein stable at -80°C for 12 months, 4°C for 1 week. Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

Expiry Date: 12 months

Surface Plasmon Resonance

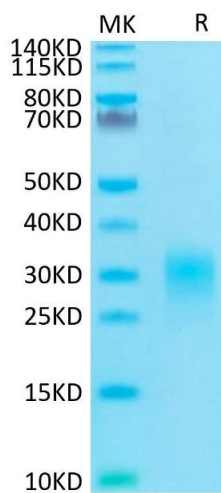
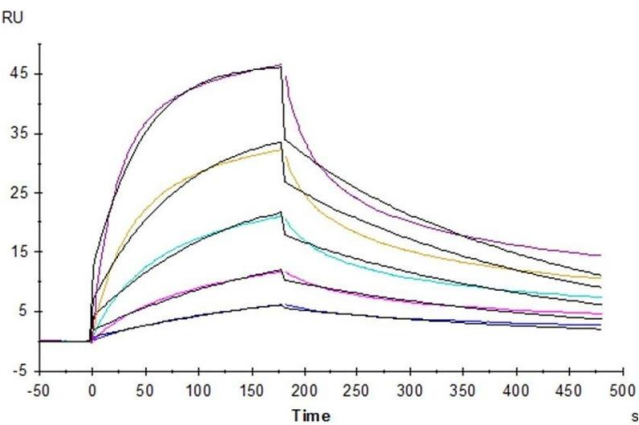
**Image 1.** Human Fas, His Tag immobilized on CM5 Chip can bind Human Fas Ligand, His Tag with an affinity constant of 19.45 nM as determined in SPR assay (Biacore T200).

SDS-PAGE

**Image 2.** Human Fas Ligand on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .

ELISA

**Image 3.** Immobilized Human Fas Ligand, His Tag at 2 µg/mL (100 µL/Well) on the plate. Dose response curve for Human Fas, hFc Tag with the EC50 of 0.12 µg/mL determined by ELISA.



**Human Fas Ligand, His Tag ELISA**  
0.2µg Human Fas Ligand, His Tag Per Well

