

## Fas Ligand Protein, Human, Recombinant (HEK293, His)

### General Information

Synonyms:	FASL;ALPS1B;APT1LG1;TNLG1A;TNFSF6;Fas ligand;CD95-L;CD178;CD95L;APTL;FASLG
Protein Construction:	Pro134-Leu281
Species:	Human
Expression Host:	HEK293 Cells
Accession:	AAH17502.1
Molecular Weight:	18 kDa (Predicted); 20-35 kDa (Due to glycosylation)

### QC Testing

Biological Activity:	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 0.19 µg/ml determined by ELISA (QC Test). 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).
Purity:	> 95% as determined by Tris-Bis PAGE
Endotoxin:	< 1.0 EU/µg of the protein as determined by the LAL method.
Formulation:	Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.

### Preparation and Storage

#### Reconstitution:

Reconstitute the lyophilized protein in sterile deionized water. The product concentration should not be less than 100 µg/mL. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

#### Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months.

Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

#### Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

### Protein Background

Fas ligand (FasL, CD95L) is a 40-kDa type II transmembrane protein that binds to Fas (CD95) 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).

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