

Recombinant Human TNFSF6/FAS ligand/CD178 Protein

Catalog No.: RP02353 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	356	P48023

Tags

N-His

Synonyms

FASLG;ALPS1B;APT1LG1;APTL;CD178;CD95-L;CD95L;FASL;TNFSF6;TNLG1A;Fas ligand;FasL;FasLG

Product Information

Source	Purification
HEK293 cells	> 95% by Tris-Bis PAGE

Calculated MW	Observed MW
17.73 kDa	25-35 kDa

Endotoxin

< 1 EU/μg of the protein by LAL method.

Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.

Reconstitution

Centrifuge the tube before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

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Background

Basic Information

Description

Recombinant Human TNFSF6/FAS ligand/CD178 Protein is produced by Expi293 expression system. The target protein is expressed with sequence (Pro134-Leu281) of Human Fas Ligand(monomer) fused with a His tag at the N-terminal.

Bio-Activity

Measured by its ability to induce apoptosis of Jurkat human acute T cell leukemia cells. The ED₅₀ for this effect is 2.075-8.3 ng/mL in the presence of 10 μg/mL of a cross-linking antibody Rabbit Anti-poly Histidine Monoclonal Antibody (Catalog # AE086), corresponding to a specific activity of 1.20×10⁵~4.82×10⁵ units/mg.

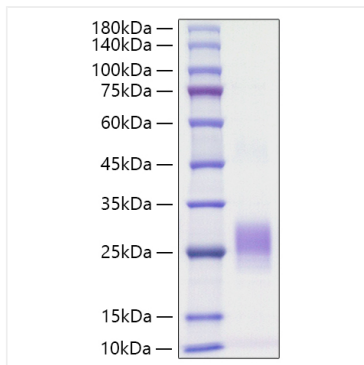
Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

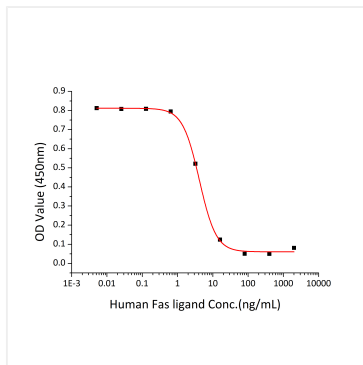
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

Validation Data



Recombinant Human Fas ligand/APTL/CD95 ligand/CD178 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 25-35 kDa.



Recombinant Human Fas ligand/APTL/CD95 ligand/CD178 induce apoptosis of Jurkat human acute T cell leukemia cells. The ED_{50} for this effect is 2.075-8.3 ng/mL in the presence of 10 μ g/mL of a cross-linking antibody Rabbit Anti-poly Histidine Monoclonal Antibody (Catalog # AE086), corresponding to a specific activity of $1.20 \times 10^5 \sim 4.82 \times 10^5$ units/mg.