

Recombinant Human TNFSF18/GITR Ligand Protein

Catalog No.: RP01433 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	8995	Q9UNG2

Tags

C-His

Synonyms

TNFSF18;AITRL;GITRL;TL6;TNLG2A;hGITRL

Product Information

Source	Purification
HEK293 cells	> 95% by SDS-PAGE.

Endotoxin

<0.1EU/μg

Formulation

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

Reconstitution

Centrifuge the vial 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 freeze-thaw cycles.

Contact

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Background

The protein encoded by this gene is a cytokine that belongs to the tumor necrosis factor (TNF) ligand family. This cytokine is a ligand for receptor TNFRSF18/AITR/GITR. It has been shown to modulate T lymphocyte survival in peripheral tissues. This cytokine is also found to be expressed in endothelial cells, and is thought to be important for interaction between T lymphocytes and endothelial cells.

Basic Information

Description

Recombinant Human TNFSF18/GITR Ligand Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Gln50-Ser177) of human GITR Ligand/TNFSF18 (Accession #NP_005083.3) fused with a 6×His tag at the C-terminus.

Bio-Activity

Measured by its binding ability in a functional ELISA. Immobilized Human TNFSF18 at 10 μg/mL (100 μL/well) can bind Human TNFRSF18 with a linear range of 0.8-14.5 μg/mL.

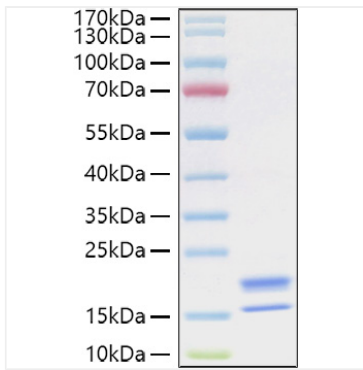
Storage

Store the lyophilized protein at -20°C to -80°C for long term.

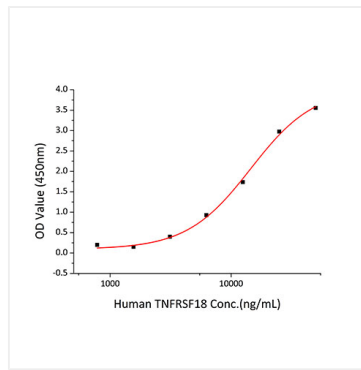
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

Validation Data



Recombinant Human TNFSF18/GITR Ligand Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 16-21kDa.



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