Recombinant Human TNFSF18/GITR Ligand Protein

Catalog No.: RP01433

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Sequence Information

Species
Human

Gene ID
8995

Swiss Prot
Q9UNG2

Tags
C-His

Synonyms
TNFSF18,AITRL,GITRL,TL6, TNLG2A,hGITRL

Product Information

Source
HEK293 cells

Purification
≥ 95 % as determined by SDS-PAGE.

Calculated MW
15.34 kDa

Observed MW
16-22 kDa

Endotoxin
< 0.1 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 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 stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

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.

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.

Shipping
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -20℃

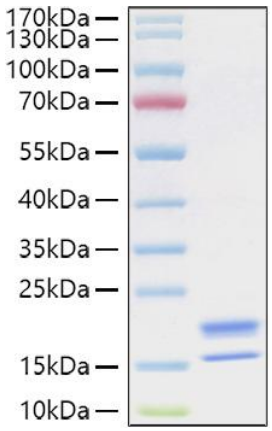
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

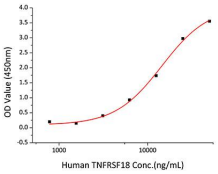
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Validation Data



Recombinant Human TNFSF18/GITR Ligand Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



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