

Biotinylated Recombinant Human TNFSF18/GITR Ligand Trimer Protein (Primary Amine Labeling)

Catalog No.: RP02600B **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	8995	Q9UNG2

Tags

N-His&Flag

Synonyms

TNFSF18; AITRL; TL6; GITRL; GITR Ligand

Product Information

Source

HEK293 cells

Purification

≥ 95 % as determined by Tris-Bis PAGE; ≥ 95 % as determined by HPLC.

Calculated MW

47.5 kDa

Observed MW

50-70 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. Normally 8% trehalose is added as protectant before lyophilization. Contact us for customized product form or formulation.

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.

Contact

☎ | 400-999-6126

Background

Glucocorticoid-induced TNFR-related protein (TNFRSF18, GITR, CD357), expressed by T cells, and its ligand (TNFSF18, GITRL), expressed by myeloid populations, provide co-stimulatory signals that boost T cell activity. Due to the important role that GITR plays in regulating immune functions, agonistic stimulation of GITR is a promising therapeutic concept.

Basic Information

Description

Biotinylated Recombinant Human GITR Ligand/TNFSF18 Trimer Protein (Primary Amine Labeling) is expressed from Expi293 with His tag and flag tag at the N-terminal. It contains Gln50-Ser177.

Bio-Activity

Shipping

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

Storage

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

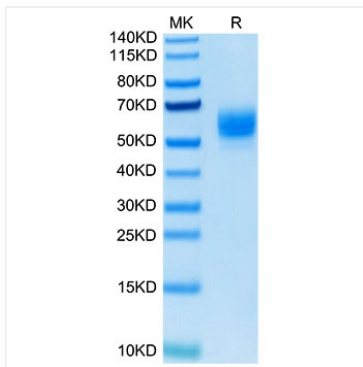
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

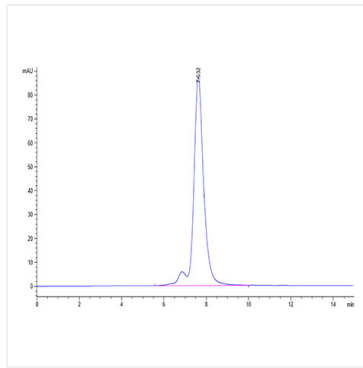
Operational Notes

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

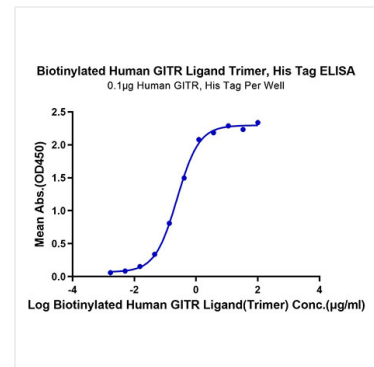
Validation Data



Biotinylated Recombinant Human TNFSF18/GITR Ligand Trimer Protein (Primary Amine Labeling) was determined by Tris-Bis PAGE under reducing conditions.



The purity of Biotinylated Human GITR Ligand Trimer is greater than 95% as determined by SEC-HPLC.



Immobilized Human GITR, His Tag at 1 µg/ml (100 µl/Well). Dose response curve for Biotinylated Human GITR Ligand Trimer, His Tag with the EC₅₀ of 0.2 µg/ml determined by ELISA.