

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

Catalog No.: RP02600 **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

### Endotoxin

Less than 1EU per µg by the LAL method.

### 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

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## 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

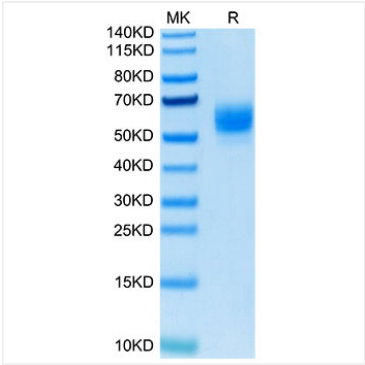
Recombinant Biotinylated Human GITR Ligand/TNFSF18 Trimer Protein (Primary Amine Labeling) is expressed from Expi293 with His tag and flag tag at the N-terminal. It contains Gln50-Ser177.

### Bio-Activity

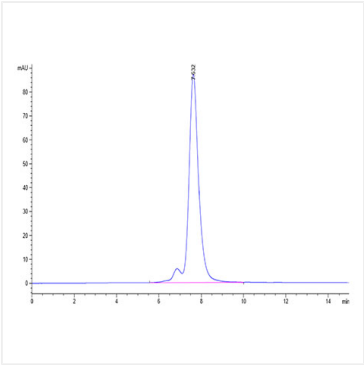
### Storage

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.

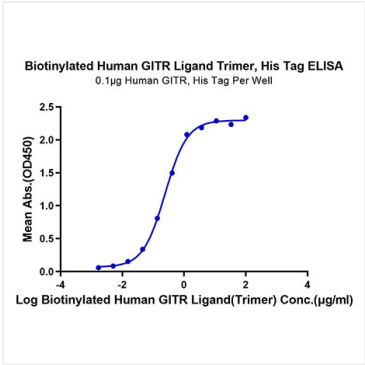
Validation Data



Biotinylated Human G1TR Ligand Trimer on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.



The purity of Biotinylated Human G1TR Ligand Trimer is greater than 95% as determined by SEC-HPLC.



Immobilized Human G1TR, His Tag at 1µg/ml (100µl/Well). Dose response curve for Biotinylated Human G1TR Ligand Trimer, His Tag with the EC<sub>50</sub> of 0.2µg/ml determined by ELISA.