



Synonym

TNFSF18,AITRL,TL6,hGITRL,GTR Ligand

Source

Biotinylated Human GTR Ligand, Avitag,Fc Tag(GIL-H82F8) is expressed from human 293 cells (HEK293). It contains AA Gln 50 - Ser 177 (Accession # [AAH69319.1](#)).

Predicted N-terminus: Gly

Molecular Characterization

Avi	Fc(Pro 100 - Lys 330) P01857	GTR Ligand(Gln 50 - Ser 177) AAH69319.1
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This protein carries an Avi tag (Avitag™) at the N-terminus, followed by a human IgG1 Fc tag.

The protein has a calculated MW of 43.5 kDa. The protein migrates as 45-53 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

Labeling

*Biotinylation of this product is performed using Avitag™ technology. Briefly, the single lysine residue in the Avitag is enzymatically labeled with biotin.*

Protein Ratio

Passed as determined by the HABA assay / binding ELISA.

Purity

>95% as determined by SDS-PAGE.

Formulation

Lyophilized from 0.22 μm filtered solution in Tris with Glycine, Arginine and NaCl, pH7.5 with trehalose as protectant.

Contact us for customized product form or formulation.

Reconstitution

Please see Certificate of Analysis for specific instructions.

*For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.*

Storage

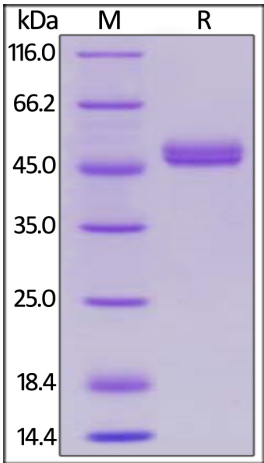
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

*Please avoid repeated freeze-thaw cycles.*

This product is stable after storage at:

- 20°C to -70°C for 12 months in lyophilized state;
- 70°C for 3 months under sterile conditions after reconstitution.

SDS-PAGE

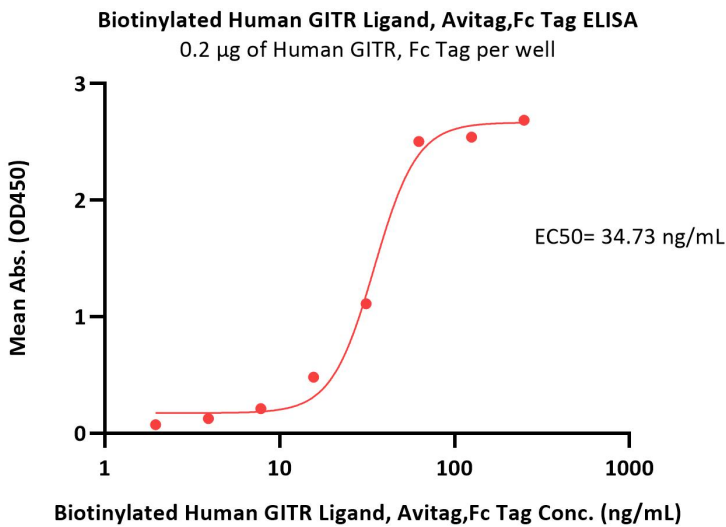


Biotinylated Human GTR Ligand, Avitag,Fc Tag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95%.

Bioactivity-ELISA

Discounts, Gifts,  
and more!





Immobilized Human GITR, Fc Tag (Cat. No. GIR-H5254) at 2 µg/mL (100 µL/well) can bind Biotinylated Human GITR Ligand, Avitag,Fc Tag (Cat. No. GIL-H82F8) with a linear range of 4-63 ng/mL (QC tested).

Background

Tumor necrosis factor ligand superfamily member 18 (TNFSF18) is also known as Glucocorticoid - induced TNF-related ligand (GITRL or GITR Ligand), Activation - inducible TNF - related ligand (AITRL), which belongs to the tumor necrosis factor family. TNFSF18 is expressed at high levels in the small intestine, ovary, testis, kidney and endothelial cells. TNFSF18 / GITRL is up-regulated after stimulation by bacterial lipopolysaccharides (LPS). TNFSF18 Can function as costimulator and lower the threshold for T-cell activation and T-cell proliferation. TNFSF18 / GITR Ligand is important for interactions between activated T-lymphocytes and endothelial cells. TNFSF18 also mediates activation of NF-kappa-B.

