

# Biotinylated Human GITR/TNFRSF18 Protein



Cat. No. GTR-HM401B

## Description

<b>Source</b>	Recombinant Biotinylated Human GITR/TNFRSF18 Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus. It contains Gln26-Glu161.
<b>Accession</b>	Q9Y5U5-1
<b>Molecular Weight</b>	The protein has a predicted MW of 17.2 kDa. Due to glycosylation, the protein migrates to 26-28 kDa based on Bis-Tris PAGE result.
<b>Endotoxin</b>	Less than 1EU per µg by the LAL method.
<b>Purity</b>	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

## Formulation and Storage

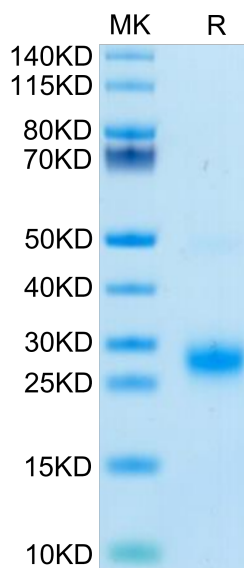
<b>Formulation</b>	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
<b>Reconstitution</b>	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
<b>Storage</b>	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

## Background

GITR (glucocorticoid-induced tumor necrosis factor receptor), also known as AITR and TNFRSF18, is a 40 kDa transmembrane glycoprotein that functions in immune regulation. GIRT is a receptor for TNFSF18. Seems to be involved in interactions between activated T-lymphocytes and endothelial cells and in the regulation of T-cell receptor-mediated cell death. Mediated NF-kappa-B activation via the TRAF2/NIK pathway.

## Assay Data

### Bis-Tris PAGE



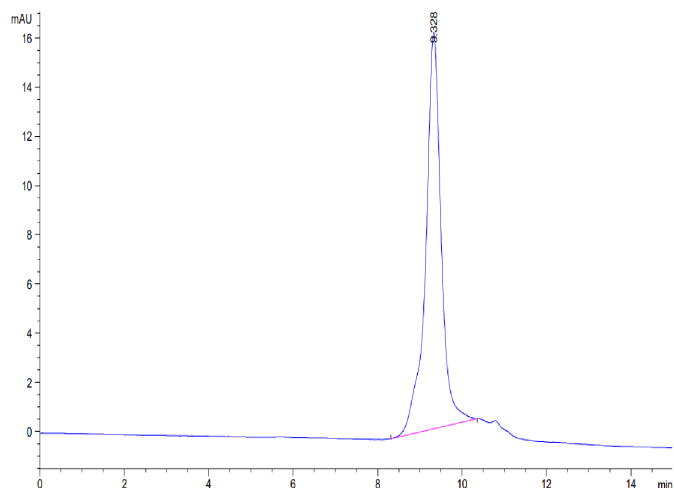
Biotinylated Human GITR on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

### SEC-HPLC

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## Assay Data

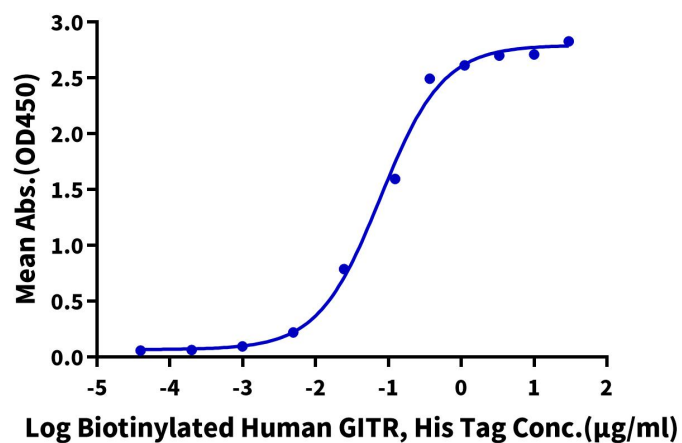


The purity of Biotinylated Human GITR is greater than 95% as determined by SEC-HPLC.

## ELISA Data

### Biotinylated Human GITR, His Tag ELISA

0.5µg Human GITR Ligand Trimer, hFc Tag Per Well



Immobilized Human GITR Ligand Trimer, hFc Tag at 5µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Human GITR, His Tag with the EC50 of 77.9ng/ml determined by ELISA.