

Datasheet for ABIN7274786

TNFRSF18 Protein (AA 26-161) (His tag)

5 Images

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Overview

Quantity:	100 µg
Target:	TNFRSF18
Protein Characteristics:	AA 26-161
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TNFRSF18 protein is labelled with His tag.

Product Details

Purpose:	Human GTR/TNFRSF18 Protein
Sequence:	Gln26-Glu161
Characteristics:	Recombinant Human GTR/TNFRSF18 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Gln26-Glu161.
Purity:	> 95 % as determined by Tris-Bis PAGE, > 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	Immobilized Human GTR, His Tag at 1µg/ml (100µl/Well). Dose response curve for Biotinylated Human GTR Ligand Trimer, His Tag with the EC50 of 0.2µg/ml determined by ELISA. The affinity constant of 4.76 nM as determined in SPR assay (Biacore T200). See testing image for detail.

Target Details

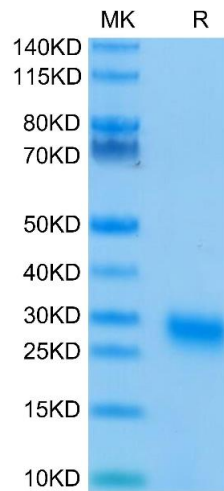
Target:	TNFRSF18
Alternative Name:	GITR (TNFRSF18 Products)
Background:	GITR (glucocorticoid-induced tumor necrosis factor receptor), also known as AITR and TNFRSF18, is a 40 kDa transmembrane glycoprotein that functions in immune regulation. GIRT is a receptor for TNFSF18. Seems to be involved in interactions 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.
Molecular Weight:	15.4 kDa. Due to glycosylation, the protein migrates to 25-28 kDa based on Tris-Bis PAGE result.
Pathways:	Cancer Immune Checkpoints

Application Details

Restrictions:	For Research Use only
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Handling

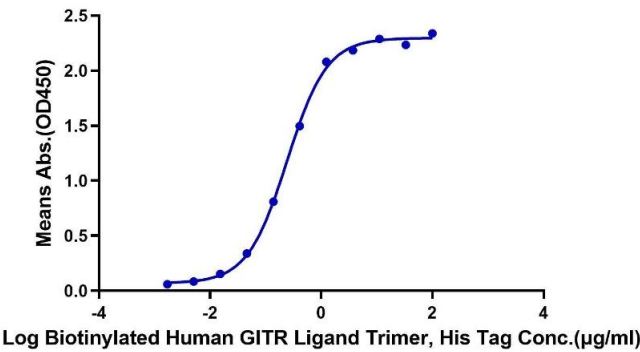
Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C, -80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt., -80°C for 3-6 months after reconstitution., 2-8°C for 2-7 days after reconstitution., Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months



SDS-PAGE

Image 1. Human GTR on Tris-Bis PAGE under reduced condition. The purity is greater than 95 %

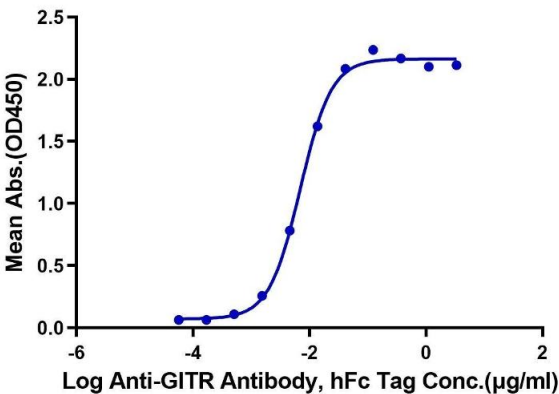
Human GTR/TNFRSF18, His Tag ELISA
0.1µg Human GTR/TNFRSF18, His Tag Per Well



ELISA

Image 2. Immobilized Human GTR, His Tag at 1 µg/mL (100 µL/Well). Dose response curve for Biotinylated Human GTR Ligand Trimer, His Tag with the EC50 of 0.2 µg/mL determined by ELISA.

Human GTR/TNFRSF18, His Tag ELISA
0.05µg Human GTR/TNFRSF18, His Tag Per Well



ELISA

Image 3. Immobilized Human GTR, His Tag at 0.5 µg (100 µL/Well) on the plate. Dose response curve for Anti-GTR Antibody, hFc Tag with the EC50 of 7.0 ng/mL determined by ELISA.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN7274786.