

Datasheet for ABIN2181165  
**TNFSF18 Protein (AA 50-177) (Fc Tag)**



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2 Images

## Overview

Quantity:	50 µg
Target:	TNFSF18
Protein Characteristics:	AA 50-177
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This TNFSF18 protein is labelled with Fc Tag.

## Product Details

Sequence:	AA 50-177
Characteristics:	This protein carries a human IgG1 Fc tag at the N-terminus. The protein has a calculated MW of 46.2 kDa. As a result of glycosylation, the protein migrates as 46 kDa under reducing (R) condition, and 90 kDa under non-reducing (NR) condition (SDS-PAGE).
Purity:	>95 % as determined by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

## Target Details

Target:	TNFSF18
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## Target Details

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Alternative Name: GITR Ligand ([TNFSF18 Products](#))

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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.

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Molecular Weight: 41.5 kDa

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## Application Details

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Restrictions: For Research Use only

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## Handling

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Format: Lyophilized

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Buffer: 50 mM Tris, 100 mM Glycine, pH 7.5

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Handling Advice: Please avoid repeated freeze-thaw cycles.

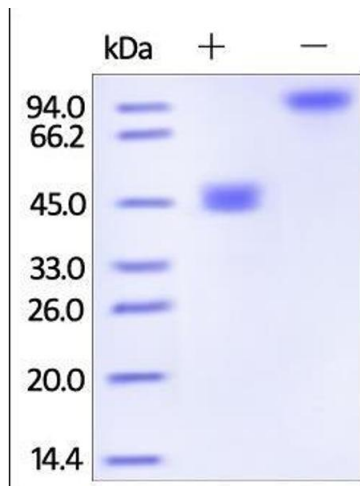
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Storage: -20 °C

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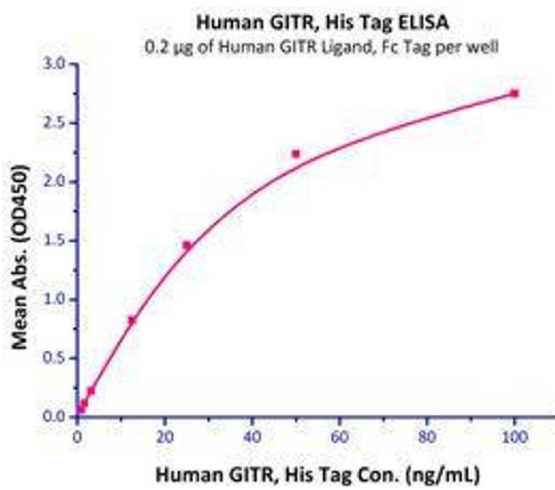
Storage Comment: No activity loss was observed after storage at: In lyophilized state for 1 year (4 °C), After reconstitution under sterile conditions for 3 months (-70 °C).

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### SDS-PAGE

**Image 1.** Human GITR Ligand, Fc Tag on SDS-PAGE under reducing (R) and no-reducing (NR) conditions. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95%.



### Binding Studies

**Image 2.** Immobilized Human GITR, His Tag (Cat# GIR-H5228) at 2 µg/mL (100 µl/well) can bind Human GITR Ligand, Fc Tag (Cat# GIL-H526a ) with a linear range of 0.8-25 ng/mL.