

## Recombinant Mouse Tnfrsf18 protein, His-tagged

**Cat. No.** Tnfrsf18-15M    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Mouse Tnfrsf18 protein (Ser22-His153), fused to His tag at C-terminus, was expressed in human 293 cells (HEK293).
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>ProteinLength</b>	132
<b>Description</b>	Glucocorticoid-induced TNFR-related protein (GITR) is also known as Tumor necrosis factor receptor superfamily member 18 (TNFRSF18), activation-inducible TNFR family receptor (AITR), CD antigen CD357, which is a member of the tumor necrosis factor receptor (TNF-R) superfamily. GITR is receptor for TNFSF18, which seems to be involved in interactions between activated T-lymphocytes and endothelial cells and in the regulation of T-cell receptor-mediated cell death. GITR also mediated NF-kappa-B activation via the TRAF2/NIK pathway.
<b>Form</b>	Lyophilized from 0.22 um filtered solution in PBS, pH7.4, 10% trehalose.
<b>Molecular Mass</b>	The protein has a calculated MW of 15.2 kDa. The protein migrates as 27-34 kDa under reducing (R) condition (SDS-PAGE).
<b>Endotoxin</b>	Less than 1.0 EU per ug by the LAL method.
<b>Purity</b>	>95% as determined by SDS-PAGE.

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**Storage**

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

Please avoid repeated freeze-thaw cycles.

This product is stable after storage at:

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

**Reconstitution**

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

## GENE INFORMATION

**Gene Name** [Tnfrsf18](#)

**Official Symbol** [Tnfrsf18](#)

**Synonyms** TNFRSF18; tumor necrosis factor receptor superfamily, member 18; tumor necrosis factor receptor superfamily member 18; glucocorticoid-induced TNFR-related protein; AITR; Gitr

**Gene ID** [21936](#)

**mRNA Refseq** [NM\\_009400](#)

**Protein Refseq** [NP\\_033426](#)

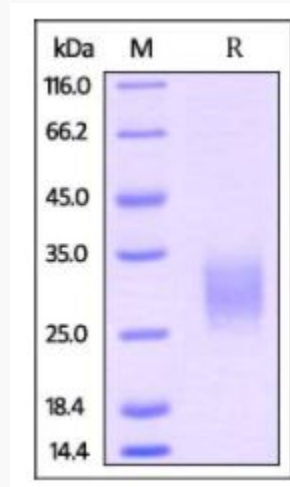
**UniProt ID** [Q8C4K3](#)

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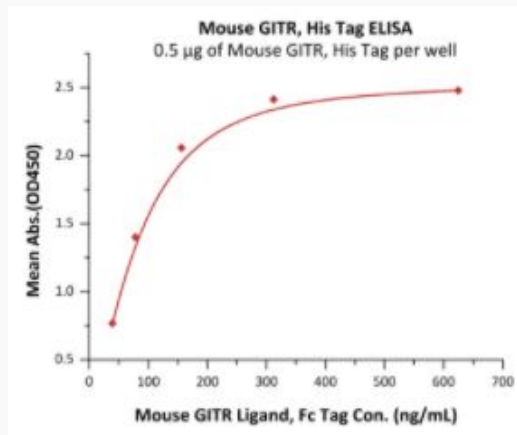
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**SDS-PAGE of  
Tnfrsf18-15M**



Mouse GITR, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95%.

**Bioactivity-ELISA of  
Tnfrsf18-15M**



Immobilized Mouse GITR, His Tag at 5 µg/mL (100 µL/well) can bind Mouse GITR Ligand, Fc Tag with a linear range of 5-156 ng/mL (QC tested).

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