

## GITR/TNFRSF18 Protein, Mouse, Recombinant (hFc & His)

### General Information

Synonyms:	Tnfrsf18;GITR-D;CD357;AITR;Tumor necrosis factor receptor superfamily member 18; Glucocorticoid-induced TNFR-related protein
Protein Construction:	Ser22-His153
Species:	Mouse
Expression Host:	HEK293 Cells
Accession:	O35714
Molecular Weight:	60 KDa (reducing condition)
AA Sequence:	Ser22-His153

### QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	Greater than 90% as determined by reducing SDS-PAGE. (QC verified)
Endotoxin:	< 0.1 ng/μg (1 EU/μg) as determined by LAL test.
Formulation:	Lyophilized from a solution filtered through a 0.22 μm filter, containing PBS, pH 7.4.

### Preparation and Storage

#### Reconstitution:

Reconstitute the lyophilized protein in distilled water. The product concentration should not be less than 100 μg/ml. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

#### Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

#### Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

### Protein Background

Tumor necrosis factor receptor superfamily member 18(Gitr) contains 3 TNFR-Cys repeats and it have four isforms. IsformA、 isformB and isformC is single-pass type I membrane protein and isformD is a secreted protein. The protein is the receptor for TNFSF18.It seems to be involved in interactions between activated T-lymphocytes and endothelial cells and in the regulation of T-cell receptor-mediated cell death. It mediated NF-kappa-B activation via the TRAF2/NIK pathway.It binds to TRAF1, TRAF2, and TRAF3, but not TRAF5 and TRAF6 and binds through its C-

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terminus to SIVA1/SIVA. It preferentially expressed in activated T lymphocytes and up-regulated in peripheral mononuclear cells after antigen stimulation/lymphocyte activation.

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