

Recombinant Mouse TNFRSF18 Protein (Met1-His153), IgG1 Fc-tagged

Cat. No. TNFRSF18-894M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse TNFRSF18 Protein (NP_033426.1) (Met1-His153) was produced by HEK293 Cells expression system. This protein was expressed with the Fc region of mouse IgG1 at the C-terminus.
Species	Mouse
Source	HEK293
ProteinLength	Met1-His153
Description	GITR, also known as TNFRSF18(CD357), belongs to the tumor necrosis factor receptor (TNF-R) superfamily. It is the receptor for TNFSF18. GITR plays a key role in dominant immunological self-tolerance maintained by CD25(+)CD4(+) regulatory T cells. GITR may be involved in interactions between activated T-lymphocytes and endothelial cells and in the regulation of T-cell receptor-mediated cell death. GITR and its ligand are important costimulatory molecules in the pathogenesis of autoimmune diseases. It also mediates NF-kappa-B activation via the TRAF2/NIK pathway.
Predicted N Terminal	Gln 20
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.

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Molecular Mass	The recombinant mouse TNFRSF18 consists of 368 amino acids and predicts a molecular mass of 41 kDa.
Endotoxin	< 1.0 EU per µg protein as determined by the LAL method.
Purity	> 95 % as determined by SDS-PAGE.
Stability	Samples are stable for up to twelve months from date of receipt at -70 centigrade.
Storage	Store it under sterile conditions at -20 centigrade to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 mg/ml. Centrifuge the vial at 4°C before opening to recover the entire contents.
Shipping	In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise.

GENE INFORMATION

Gene Name	Tnfrsf18 tumor necrosis factor receptor superfamily, member 18 [Mus musculus]
Official Symbol	TNFRSF18
Synonyms	TNFRSF18; AITR; Gitr;
Gene ID	21936

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mRNA Refseq	NM_009400
Protein Refseq	NP_033426
UniProt ID	O35714

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