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Recombinant Mouse GITR Ligand/TNFSF18 Protein

Catalog No.: RP01824   Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
Mouse	240873	Q7TS55

Tags
N-hFC

Synonyms
Gitrl; Tnlg2a;GITR Ligand;TNFSF18

Product Information

Source	Purification
HEK293 cells	> 95% by SDS-PAGE.

Endotoxin
< 0.1 EU/µg

Formulation
Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.

Reconstitution
Centrifμge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Contact

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Background

The protein encoded by this gene is a cytokine that belongs to the tumor necrosis factor (TNF) ligand family. This cytokine is a ligand for receptor TNFRSF18/AITR/GITR. It has been shown to modulate T lymphocyte survival in peripheral tissues. This cytokine is also found to be expressed in endothelial cells, and is thought to be important for interaction between T lymphocytes and endothelial cells.

Basic Information

Description
Recombinant Mouse GITR Ligand/TNFSF18 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Thr47-Ser173) of mouse GITR Ligand/TNFSF18 (Accession #NP_899247.3) fused with a hFc tag at the N-terminus.
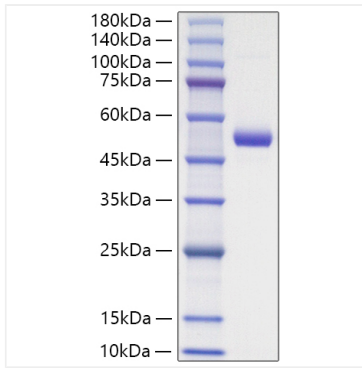
Bio-Activity

Storage
Store the lyophilized protein at -20°C to -80°C for 12 months.
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.
Avoid repeated freeze/thaw cycles.

Validation Data

180kDa —	
140kDa —	
100kDa —	
75kDa —	
60kDa —	
45kDa —	
35kDa —	
25kDa —	
15kDa —	
10kDa —	

Recombinant Mouse GITR Ligand/TNFSF18 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 45-60 kDa.