

# Recombinant Human TNFSF18/GITR Ligand Protein

Catalog No.: RP01433 **Recombinant**

## Sequence Information

Species	Gene ID	Swiss Prot
Human	8995	Q9UNG2

### Tags

C-His

### Synonyms

TNFSF18;AITRL;GITRL;TL6;TNLG2A;hGITR  
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## Product Information

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

Calculated MW	Observed MW
15.34 kDa	16-22 kDa

### Endotoxin

<0.1EU/μg

### Formulation

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

### Reconstitution

Centrifuge 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 stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

## Contact

 | 400-999-6126

 | [cn.market@abclonal.com.cn](mailto:cn.market@abclonal.com.cn)

 | [www.abclonal.com.cn](http://www.abclonal.com.cn)

## 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 Human TNFSF18/GITR Ligand Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Gln50-Ser177) of human GITR Ligand/TNFSF18 (Accession #NP\_005083.3) fused with a 6×His tag at the C-terminus.

### Bio-Activity

Measured by its binding ability in a functional ELISA. Immobilized Human TNFSF18 at 10 μg/mL (100 μL/well) can bind Human TNFRSF18 with a linear range of 0.8-14.5 μg/mL.

### Storage

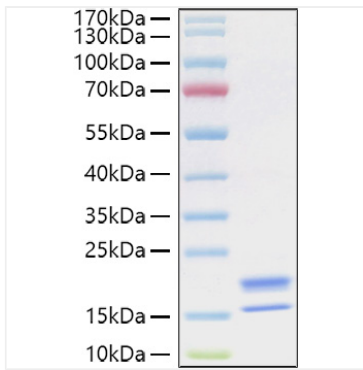
Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

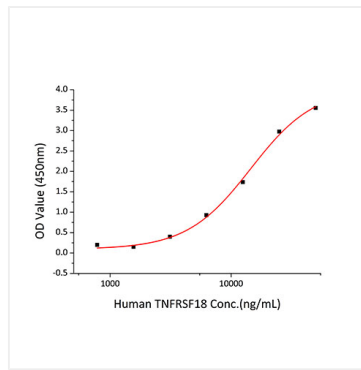
Avoid repeated freeze/thaw cycles.

## Validation Data

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Recombinant Human TNFSF18/GITR Ligand Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 16-21kDa.



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