

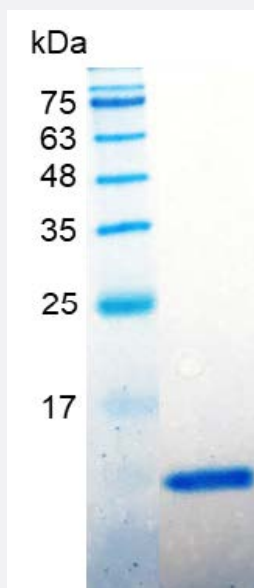
Bioactive

# TNFSF18 (Human) Recombinant Protein

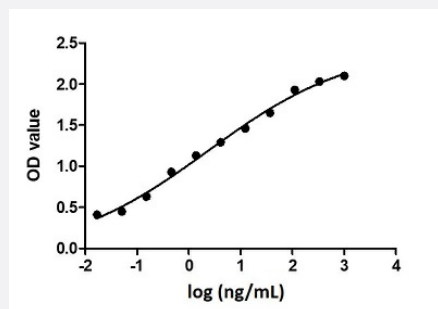
Catalog # P7815

Size 20 ug

## Applications



SDS-PAGE analysis of TNFSF18 (Human) Recombinant Protein.



## Result of activity analysis

Result of activity analysis

## Specification

### Product Description

Human TNFSF18 recombinant protein with polyhistidine tag at the C-terminus expressed in *Escherichia coli*.

### Sequence

MQLETAKEPCMAKFGPLPSKWQMASSEPPCVNKVSDWKLEILQNGLYLIYGQVAPNANYNDVAPFEVRLYKNKDMIQTLTNKSKIQNVGGTYELHVGDITDLIFNSEHQVLKNNTYWGII LIANPQEI with polyhistidine tag at the C-terminus.

### Host

*Escherichia coli*

|                         |                                                                                                                                                                                 |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Form                    | Lyophilized                                                                                                                                                                     |
| Preparation Method      | <i>Escherichia coli</i> expression system                                                                                                                                       |
| Purification            | Ni-NTA chromatography                                                                                                                                                           |
| Purity                  | > 98% as determined by SDS-PAGE.                                                                                                                                                |
| Endotoxin Level         | < 0.01 EU/ ug of protein by the LAL method.                                                                                                                                     |
| Activity                | ED <sub>50</sub> < 2.5 ng/mL, Measured by the induction of IL-8 secretion in human PBMCs.                                                                                       |
| Quality Control Testing | SDS-PAGE Stained with Coomassie Blue.<br>SDS-PAGE analysis of TNFSF18 (Human) Recombinant Protein.                                                                              |
| Recommend Usage         | Biological Activity<br>SDS-PAGE<br>The optimal working dilution should be determined by the end user.                                                                           |
| Storage Buffer          | Lyophilized from a solution containing 1X PBS, pH 7.4. Reconstitute the lyophilized powder in ddH <sub>2</sub> O to 100 ug/mL.                                                  |
| Storage Instruction     | Lyophilized protein should be stored at -20°C. Protein aliquots should be stored at -20°C to -80°C. Th is product is stable for one year.<br>Avoid repeated freeze/thaw cycles. |
| Note                    | Result of activity analysis<br>Result of activity analysis                                                                                                                      |

## Applications

- Functional Study
- SDS-PAGE

## Gene Info — TNFSF18

|                  |                                                       |
|------------------|-------------------------------------------------------|
| Entrez GeneID    | <a href="#">8995</a>                                  |
| Gene Name        | TNFSF18                                               |
| Gene Alias       | AITRL, GITRL, MGC138237, TL6, hGITRL                  |
| Gene Description | tumor necrosis factor (ligand) superfamily, member 18 |
| Omim ID          | <a href="#">603898</a>                                |

## Gene Ontology

[Hyperlink](#)

## Gene Summary

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. [provided by RefSeq]

## Other Designations

AITR ligand|GITR ligand|glucocorticoid-induced TNFR-related protein ligand

## Pathway

- [Cytokine-cytokine receptor interaction](#)

## Disease

- [Birth Weight](#)
- [Cardiovascular Diseases](#)
- [Crohn Disease](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Glioblastoma](#)
- [Glioma](#)
- [Hematologic Diseases](#)
- [Hepatitis C](#)
- [Hodgkin Disease](#)
- [Inflammatory Bowel Diseases](#)
- [Leukemia](#)
- [Lymphoproliferative Disorders](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)

- [Multiple Myeloma](#)
- [Occupational Diseases](#)
- [Waldenstrom Macroglobulinemia](#)
- [Werner syndrome](#)