

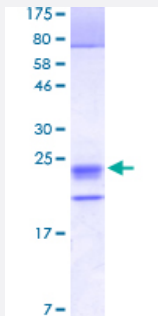
HuPro®

# TNFSF18 (Human) Recombinant Protein

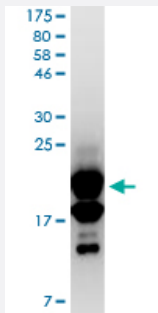
Catalog # H00008995-H01

Size 25 ug

## Applications



SDS-PAGE Gel



Western Blot

## Specification

|                                      |                                                                                                                                              |
|--------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b>           | Purified TNFSF18 (AAH69111.1 50 a.a. - 177 a.a.) human recombinant protein with His-Flag-StrepII tag at N-terminus expressed in human cells. |
| <b>Transfected Cell Line</b>         | Human HEK293T cells                                                                                                                          |
| <b>Sequence</b>                      | QLETAKPEPCMAKFGPLPSKWQMASSEPPCVNKVSDWKLEILQNGLYLYGQVAPNANYNDVAPF<br>EVRLYKNKDMIQTLTNKSKIQNVGGTYELHVGDITDLIFNSEHQVLKNNTYWGIILLANPQFIS         |
| <b>Host</b>                          | Human                                                                                                                                        |
| <b>Theoretical MW (kDa)</b>          | 19.36                                                                                                                                        |
| <b>Interspecies Antigen Sequence</b> | Mouse (51)                                                                                                                                   |

|                         |                                                                                                                                           |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| Form                    | Liquid                                                                                                                                    |
| Preparation Method      | Transfection of pSuper-TNFSF18 plasmid into HEK293T cell, and the expressed protein was purified by <i>Strep</i> -Tactin affinity column. |
| Purification            | <i>Strep</i> -Tactin affinity columns                                                                                                     |
| Concentration           | ≥ 10 ug/ml                                                                                                                                |
| Quality Control Testing | SDS-PAGE and Western Blot<br>SDS-PAGE Gel<br>Western Blot                                                                                 |
| Storage Buffer          | 100 mM Tris-HCl pH 8.0, 150 mM NaCl, 1 mM EDTA, and 5 mM desthiobiotin.                                                                   |
| Storage Instruction     | Store at -80°C. Aliquot to avoid repeated freezing and thawing.                                                                           |

## Applications

- Western Blot
- Enzyme-linked Immunoabsorbent Assay
- SDS-PAGE
- Protein Interaction

## Gene Info — TNFSF18

|                     |                                                       |
|---------------------|-------------------------------------------------------|
| Entrez GeneID       | <a href="#">8995</a>                                  |
| GeneBank Accession# | <a href="#">BC069111.1</a>                            |
| Protein Accession#  | <a href="#">AAH69111.1</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       | <a href="#">Hyperlink</a>                             |

**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](#)