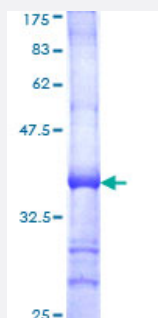


# IL18R1 (Human) Recombinant Protein (Q01)

Catalog # H00008809-Q01

Size 25 ug, 10 ug

## Applications



## Specification

|                                |                                                                                                           |
|--------------------------------|-----------------------------------------------------------------------------------------------------------|
| <b>Product Description</b>     | Human IL18R1 partial ORF ( NP_003846, 22 a.a. - 121 a.a.) recombinant protein with GST-tag at N-terminal. |
| <b>Sequence</b>                | CTSRPHITVVEGEPFYLKHCSCSLAHEIETTTKSWYKSSGSQEHVELNPRSSSRALHDCVLEFWP<br>VELNDTGSYFFQMKNYTQKWKLNVIRRNKHSCFT   |
| <b>Host</b>                    | Wheat Germ (in vitro)                                                                                     |
| <b>Theoretical MW (kDa)</b>    | 36.74                                                                                                     |
| <b>Preparation Method</b>      | <a href="#">in vitro wheat germ expression system</a>                                                     |
| <b>Purification</b>            | Glutathione Sepharose 4 Fast Flow                                                                         |
| <b>Quality Control Testing</b> | 12.5% SDS-PAGE Stained with Coomassie Blue.                                                               |
| <b>Storage Buffer</b>          | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.                                  |
| <b>Storage Instruction</b>     | Store at -80°C. Aliquot to avoid repeated freezing and thawing.                                           |
| <b>Note</b>                    | Best use within three months from the date of receipt of this protein.                                    |

## Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

## Gene Info — IL18R1

|                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Entrez GeneID       | <a href="#">8809</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| GeneBank Accession# | <a href="#">NM_003855</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Protein Accession#  | <a href="#">NP_003846</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Gene Name           | IL18R1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Gene Alias          | CD218a, CDw218a, IL-1Rrp, IL18RA, IL1RRP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Gene Description    | interleukin 18 receptor 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Omim ID             | <a href="#">604494</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Gene Ontology       | <a href="#">Hyperlink</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Gene Summary        | The protein encoded by this gene is a cytokine receptor that belongs to the interleukin 1 receptor family. This receptor specifically binds interleukin 18 (IL18), and is essential for IL18 mediated signal transduction. IFN-alpha and IL12 are reported to induce the expression of this receptor in NK and T cells. This gene along with four other members of the interleukin 1 receptor family, including IL1R2, IL1R1, IL1RL2 (IL-1Rrp2), and IL1RL1 (T1/ST2), form a gene cluster on chromosome 2q. [provided by RefSeq] |
| Other Designations  | IL1 receptor-related protein OTTHUMP00000161340 cytokine receptor                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

## Pathway

- [Cytokine-cytokine receptor interaction](#)

## Disease

- [Alzheimer disease](#)
- [Asthma](#)
- [Atherosclerosis](#)
- [Bronchiolitis](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Coronary Disease](#)
- [Crohn Disease](#)
- [Diabetes Complications](#)
- [Disease Progression](#)
- [Genetic Predisposition to Disease](#)
- [Hepatitis C](#)
- [Hyperparathyroidism](#)
- [Hypersensitivity](#)
- [Infant](#)
- [Intervertebral Disk Displacement](#)
- [Kidney Failure](#)
- [Liver Neoplasms](#)
- [Measles](#)
- [Metabolic Syndrome X](#)
- [Multiple Sclerosis](#)
- [Mumps](#)
- [Neoplasms](#)
- [Obesity](#)
- [Occupational Diseases](#)

- [Osteoarthritis](#)
- [Osteoporosis](#)
  
- [Pneumoconiosis](#)
  
- [Respiratory Syncytial Virus Infections](#)
  
- [Rubella](#)
  
- [Tobacco Use Disorder](#)
  
- [Viremia](#)