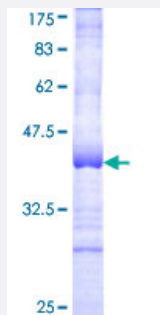


# CYSLTR1 (Human) Recombinant Protein (Q01)

Catalog # H00010800-Q01

Size 25 ug, 10 ug

## Applications



## Specification

|                                |                                                                                                            |
|--------------------------------|------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b>     | Human CYSLTR1 partial ORF ( AAH35750, 248 a.a. - 337 a.a.) recombinant protein with GST-tag at N-terminal. |
| <b>Sequence</b>                | PYHIQRTIHLHFLHNETKPCDSVLRMQKSVVITLSLAASNCCFDPLLYFFSGGNFRKRLSTFRKHSL<br>SSVTYVPRKKASLPEKGEEICKV             |
| <b>Host</b>                    | Wheat Germ (in vitro)                                                                                      |
| <b>Theoretical MW (kDa)</b>    | 35.53                                                                                                      |
| <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 — CYSLTR1

Entrez GeneID [10800](#)

GeneBank Accession# [BC035750](#)

Protein Accession# [AAH35750](#)

Gene Name CYSLTR1

Gene Alias CYSLT1, CYSLT1R, CYSLTR, HG55, HMTMF81, MGC46139

Gene Description cysteinyl leukotriene receptor 1

Omim ID [300201](#)

Gene Ontology [Hyperlink](#)

**Gene Summary** The cysteinyl leukotrienes LTC<sub>4</sub>, LTD<sub>4</sub>, and LTE<sub>4</sub> are important mediators of human bronchial asthma. Pharmacologic studies have determined that cysteinyl leukotrienes activate at least 2 receptors, the protein encoded by this gene and CYSLTR2. This encoded receptor is a member of the superfamily of G protein-coupled receptors. Activation of this receptor by LTD<sub>4</sub> results in contraction and proliferation of smooth muscle, oedema, eosinophil migration and damage to the mucus layer in the lung. [provided by RefSeq]

**Other Designations** LTD4 receptor|OTTHUMP00000023596|cysteinyl leukotriene D4 receptor

## Pathway

- [Calcium signaling pathway](#)
- [Neuroactive ligand-receptor interaction](#)

## Disease

- [Acute Disease](#)
- [Asthma](#)
- [Atherosclerosis](#)
- [Bronchial Hyperreactivity](#)
- [Bronchiolitis](#)
- [Cardiovascular Diseases](#)
- [Carotid Artery Diseases](#)
- [Chronic Disease](#)
- [Dermatitis](#)
- [Diabetes Mellitus](#)
- [Drug Hypersensitivity](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Hypersensitivity](#)
- [Infant](#)
- [Neoplasms](#)
- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)
- [Pneumonia](#)
- [Respiratory Syncytial Virus Infections](#)
- [Rhinitis](#)
- [Sinusitis](#)
- [Urticaria](#)