

Proteoliposomes

Full-Length

# CYSLTR2 (Human) Recombinant Protein

Catalog # H00057105-G01

Size 2 ug

## Specification

|                             |                                                                                                                                                                                                                                                                                                                                                                             |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b>  | Human CYSLTR2 full-length ORF (NP_065110.1) recombinant protein without tag.<br>This product is belong to Proteoliposome (PL).                                                                                                                                                                                                                                              |
| <b>Sequence</b>             | MERKFMSLQPSISVSEMEPNGTFSNNNSRNCTIENFKREFFPIVYLIIFFWGVLGNGLSIVFLQPYK<br>KSTSVNVFMLNLAISDLLFISTLPFRADYYLRGSNWIFGDLACRIMSYSLYVNMYSIYFLTVLSVVRF<br>LAMVHPFRLLHVTIRS AWILCGIWLIMASSIMLLDSGSEQNGSVTSCLELNLYKIAKLQTMNYALV<br>VGCLLPFFTL SICYLLIIRVLLKVEVPESGLRVSHRKALTTIIITLIIFFLCFLPYHTLRTVHLTTWKVGLC<br>KDR LHKALVITLALAAANACFNPLLYFAGENFKDR LKSALRKGHPQKAKTKCVFPVSVWLRKET<br>RV |
| <b>Host</b>                 | Wheat Germ (in vitro)                                                                                                                                                                                                                                                                                                                                                       |
| <b>Theoretical MW (kDa)</b> | 39.6                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Form</b>                 | Liquid                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Preparation Method</b>   | <a href="#">in vitro wheat germ expression system with proprietary liposome technology</a>                                                                                                                                                                                                                                                                                  |
| <b>Purification</b>         | None                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Recommend Usage</b>      | Heating may cause protein aggregation. Please do not heat this product before electrophoresis.                                                                                                                                                                                                                                                                              |
| <b>Storage Buffer</b>       | 25 mM Tris-HCl of pH8.0 containing 2% glycerol.                                                                                                                                                                                                                                                                                                                             |
| <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

- Antibody Production

## Gene Info — CYSLTR2

Entrez GeneID [57105](#)

GeneBank Accession# [NM\\_020377.2](#)

Protein Accession# [NP\\_065110.1](#)

Gene Name CYSLTR2

Gene Alias CYSLT2, CYSLT2R, GPCR, HG57, HPN321, KPG\_011, PSEC0146, hGPCR21

Gene Description cysteinyl leukotriene receptor 2

Omim ID [605666](#)

Gene Ontology [Hyperlink](#)

**Gene Summary** The cysteinyl leukotrienes LTC4, LTD4, and LTE4 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 CYSLTR1. This encoded receptor is a member of the superfamily of G protein-coupled receptors. It seems to play a major role in endocrine and cardiovascular systems. [provided by RefSeq]

**Other Designations** G protein-coupled receptor|OTTHUMP00000018401|cysteinyl leukotriene CysLT2 receptor

## Pathway

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

## Disease

- [Asthma](#)
- [Atherosclerosis](#)
- [Bronchial Hyperreactivity](#)
- [Cardiovascular Diseases](#)
- [Carotid Artery Diseases](#)
- [Chronic Disease](#)

- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Hypersensitivity](#)
- [Rhinitis](#)
- [Sinusitis](#)