

## OLR1 recombinant protein

OLR1, 58-273aa, Human, E Coli (Denatured)

|                              |                       |                                 |
|------------------------------|-----------------------|---------------------------------|
| CATALOG #<br><b>AAA48737</b> | HOST<br><b>E Coli</b> | APPLICATIONS<br><b>SDS-Page</b> |
|------------------------------|-----------------------|---------------------------------|

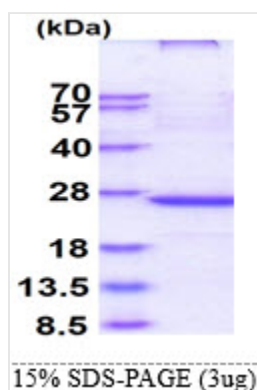
### PRODUCT SYNONYMS

OLR1; 58-273aa; Human; E Coli (Denatured); Oxidized low density lipoprotein (lectin-like)receptor 1; CLEC8A; LOX1; SCARE1; OLR1 recombinant protein

### PRODUCT SPECIFICATIONS

|                                                      |                                                                                                                                                                                                                                                         |
|------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                                 | E Coli                                                                                                                                                                                                                                                  |
| Purity/Purification                                  | > 90% by SDS-PAGE                                                                                                                                                                                                                                       |
| Form/Format                                          | Liquid. 20mM Tris-HCl Buffer (pH 8.0) containing 5% glycerol, 0.4M urea                                                                                                                                                                                 |
| Concentration                                        | 1.0 mg/ml (determined by Bradford assay) (varies by lot)                                                                                                                                                                                                |
| Sequence                                             | MQLSQVSDLL TQEQLNLTHQ KKKLEGQISA RQQAEEASQE SENELKEMIE TLARKLNEKS KEQMELHHQN<br>LNLQETLKR V ANCSAPCPQD WIWHGENCYL FSSGSFNWEK SQEKCLSLDA KLLKINSTAD LDFIQQAISY<br>SSFPFWMGLS RRNPSYPWLW EDGSPLMPHL FRVRGAVSQT YPSGTCAYIQ RGAVYAENCI LAAFSICQKK<br>ANLRAQ |
| Sequence Length                                      | 273                                                                                                                                                                                                                                                     |
| Applicable Applications for OLR1 recombinant protein | SDS-PAGE                                                                                                                                                                                                                                                |
| Antigen Species                                      | Human                                                                                                                                                                                                                                                   |
| Preparation and Storage                              | Can be stored at 4 degree C short term (1-2 weeks).<br>For long term storage, aliquot and store at -20 degree C or -70 degree C.<br>Avoid repeated freezing and thawing cycles.                                                                         |

### IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

|                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|----------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for OLR1 recombinant protein | OLR1, also known as oxidized low density lipoprotein (Ox-LDL) receptor 1, is a type II membrane protein that is a member of the C-type lectin family and acts as a cell-surface receptor for Ox-LDL. Ox-LDL plays a role in early ather-osclerosis, which includes the transformation of monocyte-derived macro-phages to foam cells in atherosclerotic lesions. This protein may also trigger the activation of the NFkB signal transduction pathway. |
| Product Categories/Family for OLR1 recombinant protein   | Metabolism                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| References                                               | Kataoka H. et al. (1999) Circulation 99: 3110-3117.; Cominacini L. et al. (2000) J. Biol. Chem. 275: 12633-12638.                                                                                                                                                                                                                                                                                                                                      |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                              |
|----------------------------------|------------------------------------------------------------------------------|
| NCBI GI #                        | 4505501                                                                      |
| NCBI GeneID                      | 4973                                                                         |
| NCBI Accession #                 | NP_002534                                                                    |
| NCBI GenBank Nucleotide #        | NM_002543.3                                                                  |
| UniProt Accession #              | P78380; Q2PP00; Q7Z484; A8K7V9; B4DI48; G3V1I4                               |
| Molecular Weight                 | 24.7 kDa (216aa)                                                             |
| NCBI Official Full Name          | oxidized low-density lipoprotein receptor 1 isoform 1                        |
| NCBI Official Synonym Full Names | oxidized low density lipoprotein receptor 1                                  |
| NCBI Official Symbol             | OLR1                                                                         |
| NCBI Official Synonym Symbols    | LOX1; LOXIN; SLOX1; CLEC8A; SCARE1                                           |
| NCBI Protein Information         | oxidized low-density lipoprotein receptor 1                                  |
| UniProt Protein Name             | Oxidized low-density lipoprotein receptor 1                                  |
| UniProt Gene Name                | OLR1                                                                         |
| UniProt Synonym Gene Names       | CLEC8A; LOX1; Ox-LDL receptor 1; LOX-1; Lectin-like oxLDL receptor 1; hLOX-1 |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.