

## Product datasheet for **TP304704**

### LOX 1 (OLR1) (NM\_002543) Human Recombinant Protein

#### Product data:

|                                       |  |
|---------------------------------------|--|
| Product Type:                         | Recombinant Proteins   |
| Description:                          | Recombinant protein of human oxidized low density lipoprotein (lectin-like) receptor 1 (OLR1), 20 µg |
| Species:                              | Human  |
| Expression Host:                      | HEK293T  |
| Expression cDNA Clone or AA Sequence: | >RC204704 protein sequence<br>Red=Cloning site Green=Tags(s)   |

MTFDDLKIQTVKDQPDEKSNKKKAKGLQFLYSPWWCLAAATLGVLCLGLVVTIMVLGMQLSQVSDLLTQE  
QANLTHQKKKLEGQISARQAEEASQSENELKEMIETLARKLNEKSKEQMELHHQNLNLQETLKRVANC  
SAPCPQDWIWHGENCYLFSSGSFNWEKSQEKCLSLDAKLLKINSTADLDFIQQAISYSSFPFWMGLSRRN  
PSYPWLWEDGSPLMPHLFRVRGAVSQTYPSGTCAIYIQRGAVYAENCILAAFSICQKKANLRAQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

|                |  |
|----------------|--|
| Tag:           | C-Myc/DDK  |
| Predicted MW:  | 30.8 kDa   |
| Concentration: | >0.05 µg/µL as determined by microplate BCA method   |
| Purity:        | > 80% as determined by SDS-PAGE and Coomassie blue staining  |
| Buffer:        | 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol   |
| Bioactivity:   | Binding assay (PMID: <a href="#">28377266</a> )  |
| Preparation:   | Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.                                     |
| Note:          | For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process. |
| Storage:       | Store at -80°C.  |
| Stability:     | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.        |
| RefSeq:        | <a href="#">NP_002534</a>  |



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Locus ID: 4973  
UniProt ID: [P78380](#), [A0A024RAU0](#)  
RefSeq Size: 2533  
Cytogenetics: 12p13.2  
RefSeq ORF: 819  
Synonyms: CLEC8A; LOX1; LOXIN; SCARE1; SLOX1

**Summary:** This gene encodes a low density lipoprotein receptor that belongs to the C-type lectin superfamily. This gene is regulated through the cyclic AMP signaling pathway. The encoded protein binds, internalizes and degrades oxidized low-density lipoprotein. This protein may be involved in the regulation of Fas-induced apoptosis. This protein may play a role as a scavenger receptor. Mutations of this gene have been associated with atherosclerosis, risk of myocardial infarction, and may modify the risk of Alzheimer's disease. Alternate splicing results in multiple transcript variants.[provided by RefSeq, Feb 2010]

**Protein Families:** Druggable Genome, Secreted Protein, Transmembrane

**Protein Pathways:** PPAR signaling pathway

### Product images:



Coomassie blue staining of purified OLR1 protein (Cat# TP304704). The protein was produced from HEK293T cells transfected with OLR1 cDNA clone (Cat# [RC204704]) using MegaTran 2.0 (Cat# [TT210002]).