**OriGene Technologies, Inc.**
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

# Product datasheet for TP720433

## LOX 1 (OLR1) (NM_001172632) Human Recombinant Protein

### Product data:

| | |
|---|---|
| **Product Type:** | Recombinant Proteins |
| **Description:** | Recombinant protein of human oxidized low density lipoprotein (lectin-like) receptor 1 (OLR1), transcript variant 2. |
| **Species:** | Human |
| **Expression Host:** | HEK293 |
| **Expression cDNA Clone or AA Sequence:** | Ser61-Gln273 |
| **Tag:** | C-His |
| **Predicted MW:** | 25.4 kDa |
| **Concentration:** | lot specific |
| **Purity:** | >95% as determined by SDS-PAGE and Coomassie blue staining |
| **Buffer:** | Provided lyophilized from a 0.2 µm filtered solution of 20 mM Tris-HCl, 150 mM NaCl |
| **Endotoxin:** | < 0.1 EU per µg protein as determined by LAL test |
| **Reconstitution Method:** | Always centrifuge tubes before opening. Do not mix by vortex or pipetting. Dissolve the lyophilized protein in ddH2O. It is not recommended to reconstitute a concentration less than 100 µg/ml. Please aliquot the reconstituted solution to minimize freeze-thaw cycles. |
| **Storage:** | Store at -80°C. |
| **Stability:** | Stable for at least 6 months from date of receipt under proper storage and handling conditions. |
| **RefSeq:** | NP_001166103 |
| **Locus ID:** | 4973 |
| **UniProt ID:** | P78380 |
| **Cytogenetics:** | 12p13.2 |
| **Synonyms:** | CLEC8A; LOX1; LOXIN; SCARE1; SLOX1 |

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**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: