

## Product datasheet for **RC204704L3V**

### LOX 1 (OLR1) (NM\_002543) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

|                           |  |
|---------------------------|--|
| Product Type:             | Lentiviral Particles   |
| Product Name:             | LOX 1 (OLR1) (NM_002543) Human Tagged ORF Clone Lentiviral Particle  |
| Symbol:                   | LOX 1  |
| Synonyms:                 | CLEC8A; LOX1; LOXIN; SCARE1; SLOX1   |
| Mammalian Cell Selection: | Puromycin  |
| Vector:                   | pLenti-C-Myc-DDK-P2A-Puro (PS100092)   |
| Tag:                      | Myc-DDK  |
| ACCN:                     | NM_002543  |
| ORF Size:                 | 819 bp   |
| ORF Nucleotide Sequence:  | The ORF insert of this clone is exactly the same as(RC204704).   |
| OTI Disclaimer:           | The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a> |
| OTI Annotation:           | This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.   |
| RefSeq:                   | <a href="#">NM_002543.3</a>  |
| RefSeq Size:              | 2533 bp  |
| RefSeq ORF:               | 822 bp   |
| Locus ID:                 | 4973   |
| UniProt ID:               | <a href="#">P78380</a>   |
| Cytogenetics:             | 12p13.2  |
| Domains:                  | CLECT  |
| Protein Families:         | Druggable Genome, Secreted Protein, Transmembrane  |



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**Protein Pathways:** PPAR signaling pathway

**MW:** 31 kDa

**Gene 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]