

Product datasheet for **RG229657**

LOX 1 (OLR1) (NM_001172633) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: LOX 1 (OLR1) (NM_001172633) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: OLR1
Synonyms: CLEC8A; LOX1; LOXIN; SCARE1; SLOX1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG229657 representing NM_001172633
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACTTTTGATGACCTAAAGATCCAGACTGTGAAGGACCAGCCTGATGAGAAGTCAAATGGAAAAAAG
CTAAAGGTCTTCAGTTTCTTTACTCTCCATGGTGGTGCCTGGCTGCTGCGACTCTAGGGTCCTTTGCCT
GGGATTAGTAGTACCATTATGGTGTGGGCATGCAATTATCCCAGGTGTCTGACCTCTAACACAAGAG
CAAGCAAACCTAACTCACCAGAAAAAGAACTGGAGGGACAGATCTCAGCCCGGCAACAAGCAGAAGAAG
CTTCACAGGAGTCAGAAAACGAACTCAAGGAAATGATAGAAACCTTGCTCGGAAGCTGAATGAGAAATC
CAAAGAGCAAATGGAATTCACCACCAGAATCTGAATCTCCAAGAACTGAAGAGAGTAGCAAATTTGT
TCAGCTCCTTGTCCGCAAGACTGGATCTGGCATGGAGAAAAGTGTACCTATTTTCTCGGGCTCATTTA
ACTGGGAAAAGAGCCAAGAGAAGTGCTTGTCTTTGGATGCCAAGTTGCTGAAAATTAATAGCACAGCTGA
TCTGATT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG229657 representing NM_001172633
Red=Cloning site Green=Tags(s)

MTFDDLKIQTVKDQPDEKSNKKAKGLQFLYSPWWCLAAATLGVLCGLVVTIMVLGMQLSQVSDLLTQE
QANLTHQKKKLEGQISARQQAEEASQSENELKEMIETLARKLNEKSQEMELHHQNLNLQETLKRVANCS
SAPCPQDWIWHGENCYLFSGGSFNWEKSQEKCLSLDAKLLKINSTADLI

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_001172633.1](#), [NP_001166104.1](#)

RefSeq Size: 2417 bp

RefSeq ORF: 570 bp

Locus ID: 4973

UniProt ID: [P78380](#)

Cytogenetics: 12p13.2

Protein Families: Druggable Genome, Secreted Protein, Transmembrane

Protein Pathways: PPAR signaling pathway

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]