

Product datasheet for **SC328295**

LOX 1 (OLR1) (NM_001172633) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LOX 1 (OLR1) (NM_001172633) Human Untagged Clone
Tag:	Tag Free
Symbol:	OLR1
Synonyms:	CLEC8A; LOX1; LOXIN; SCARE1; SLOX1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001172633, the custom clone sequence may differ by one or more nucleotides ATGACTTTTGATGACCTAAAGATCCAGACTGTGAAGGACCAGCCTGATGAGAAGTCAAAT GGAAAAAAGCTAAAGGTCTTCAGTTTCTTTACTCTCCATGGTGGTGCCTGGCTGCTGCG ACTCTAGGGGTCTTTGCCTGGGATTAGTAGTGACCATTATGGTGTGGGCATGCAATTA TCCCAGGTGTCTGACCTCCTAACACAAGAGCAAGCAAACCTAACTCACCAGAAAAAGAAA CTGGAGGGACAGATCTCAGCCCGCAACAAGCAGAAGAAGCTTCACAGGAGTCAGAAAAC GAACTCAAGGAAATGATAGAAACCCTTGCTCGGAAGCTGAATGAGAAATCCAAAGAGCAA ATGGAACCTCACCACCAGAATCTGAATCTCCAAGAAACACTGAAGAGAGTAGCAAATTGT TCAGCTCCTTGCCGCAAGACTGGATCTGGCATGGAGAAAAGTGTACCTATTTTCCTCG GGCTCATTAACTGGGAAAAGAGCCAAGAGAAGTGCTTGTCTTTGGATGCCAAGTTGCTG AAAATTAATAGCACAGCTGATCTGATTTAG
Restriction Sites:	Please inquire
ACCN:	NM_001172633
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.



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Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">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:	<u>NM_001172633.1, NP_001166104.1</u>
RefSeq Size:	2417 bp
RefSeq ORF:	570 bp
Locus ID:	4973
UniProt ID:	<u>P78380</u>
Cytogenetics:	12p13.2
Protein Families:	Druggable Genome, Secreted Protein, Transmembrane
Protein Pathways:	PPAR signaling pathway
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (3) lacks an exon in the coding region, which results in a frameshift and an early stop codon, compared to variant 1. The encoded isoform (3) is shorter and has a distinct C-terminus, compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>