

Specifications:

Gene:	hOLR1
Accession:	NP_002534
Insert size:	835bp
Concentration:	10µg at 0.2µg/µL

Description

This shuttle vector contains the complete ORF for the gene of interest, along with a Kozak consensus sequence for optimal translation initiation. It is inserted NotI to AscI. The gene insert is flanked with convenient multiple cloning sites which can be used to easily cut and transfer the gene cassette into your desired expression vector.

Preparation and Storage

Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

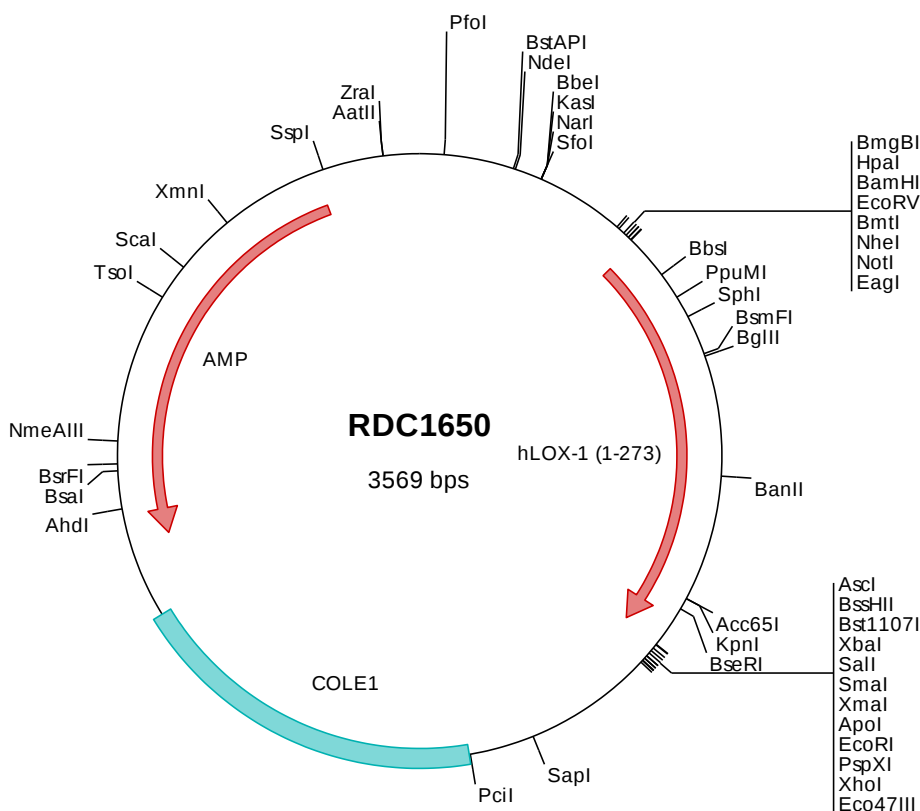
hLOX-1/OLR1 cDNA Plasmid

OLR1 oxidized low density lipoprotein receptor 1 [*Homo sapiens* (human)]

Also known as: LOX1; LOXIN; SLOX1; CLEC8A; SCARE1

Summary:

LOX-1 is a low density lipoprotein receptor that belongs to the C-type lectin superfamily. It is regulated through the cyclic AMP signaling pathway. LOX-1 binds, internalizes and degrades oxidized low-density lipoprotein. It may be involved in the regulation of Fas-induced apoptosis. It may also play a role as a scavenger receptor. Mutations of LOX-1 have been associated with atherosclerosis, risk of myocardial infarction, and may modify the risk of Alzheimer's disease. Alternatively spliced transcripts encoding different proteins have been described.



> RDC1650 Plasmid DNA Sequence

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> RDC1650 Translated Insert Sequence

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