

Active Recombinant Mouse Olr1 Protein, His-tagged

Cat. No. Olr1-01M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse LOX-1/OLR1 Protein (Arg60-Ile363) with an N-terminal 10-His tag was expressed in Mouse myeloma cell line.
Species	Mouse
Source	NS0
ProteinLength	60-363 a.a.
Description	Enables low-density lipoprotein particle receptor activity. Predicted to be involved in several processes, including inflammatory response; leukocyte cell-cell adhesion; and lipoprotein metabolic process. Predicted to act upstream of or within cell adhesion and immune system process. Predicted to be located in nucleoplasm. Predicted to be part of receptor complex. Predicted to be active in plasma membrane. Is expressed in blood vessel; embryo; heart; and primitive ventricle. Human ortholog(s) of this gene implicated in cerebral amyloid angiopathy; coronary artery disease; and myocardial infarction. Orthologous to human OLR1 (oxidized low density lipoprotein receptor 1).
Form	Monomer
Bio-activity	Measured by its binding ability in a functional ELISA. Immobilized rmLOX-1 at 5 µg/mL (100 µL/well) can bind biotinylated advanced glycation end products of bovine serum albumin (AGE-BSA) with a linear range of 0.02-1 µg/mL.
Molecular Mass	Predicted Molecular Mass: 36.3 kDa

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	SDS-PAGE: 50-60 kDa, reducing conditions
Endotoxin	<0.10 EU per 1 µg of the protein by the LAL method.
Purity	>95%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 centigrade as supplied. 1 month, 2 to 8 centigrade under sterile conditions after reconstitution. 3 months, -20 to -70 centigrade under sterile conditions after reconstitution.
Storage Buffer	Lyophilized from a 0.2 µm filtered solution in PBS.
Reconstitution	Reconstitute at 100 µg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature.

GENE INFORMATION

Gene Name	Olr1 oxidized low density lipoprotein (lectin-like) receptor 1 [Mus musculus (house mouse)]
Official Symbol	Olr1
Synonyms	Olr1; oxidized low density lipoprotein (lectin-like) receptor 1; LOX-1; SR-EI; Scare1; oxidized low-density lipoprotein receptor 1; lectin-like oxLDL receptor 1; lectin-like oxidized LDL receptor 1; lectin-type oxidized LDL receptor 1; ox-LDL receptor 1; oxidised low density lipoprotein (lectin-like) receptor 1
Gene ID	108078

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mRNA Refseq [NM_138648](#)

Protein Refseq [NP_619589](#)

UniProt ID [Q9EQ09](#)

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