

## LOX-1/OLR1 Protein, Cynomolgus (HEK293, His)

Cat. No.:	HY-P76474
Synonyms:	Oxidized low-density lipoprotein receptor 1; LOX-1; OLR1; CLEC8A
Species:	Cynomolgus
Source:	HEK293
Accession:	G7PJT2 (S61-Q273)
Gene ID:	/
Molecular Weight:	Approximately 33 kDa due to the glycosylation

### PROPERTIES

AA Sequence	<p>S Q V S N L L K Q Q    Q T N L T H Q K N K    L E G Q I S A R Q Q    A E E A S Q E S Q N</p> <p>E L K E M I E T L A    W K L N E K S K E Q    M E L H H Q N L N L    Q E T L K R V A N C</p> <p>S A P C P Q D W I W    H E E N C Y L F S T    G S F N W E K S Q E    K C L S L D A K L L</p> <p>K I N S T A D L D F    I Q Q A I S Y S S F    P F W M G L S R R N    P S Y P W L W E D G</p> <p>S P L M P H L F R I    R G A V S Q T Y P S    G T C A Y I Q R G A    V Y A E N C I L A A</p> <p>F S I C Q K K A N L    R A Q</p>
Biological Activity	Measured by its binding ability in a functional ELISA. Immobilized Cynomolgus LOX-1 at 5 µg/mL (100 µL/well) can bind bovine AGE-BSA, The ED <sub>50</sub> for this effect is 0.849 µg/mL.
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH <sub>2</sub> O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

### DESCRIPTION

Background	OLR1 is a type II membrane glycoprotein belonging to C-type lectin family with a short N-terminal cytoplasmic tail and a long C-terminal extracellular domain. OLR1 binds ox-LDL, delipidated, and solubilized ox-LDL. OLR1 enables low-density lipoprotein particle receptor activity. OLR1 is involved in cell death, inflammatory response, leukocyte cell-cell adhesion
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and lipoprotein metabolic process<sup>[1][2]</sup>.

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**Caution: Product has not been fully validated for medical applications. For research use only.**

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