

## Recombinant Mouse Ldlr protein(Met1-Arg790), His-tagged

Cat. No. Ldlr-3283M Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Mouse LDLR (NP_034830.2)(Met 1-Arg 790) with substitution of Val 23 and Gly 27 by Ala 23 and Cys 27 respectively was expressed in HEK293 with a C-terminal polyhistidine tag.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>ProteinLength</b>	1-790 a.a.
<b>Form</b>	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
<b>Bio-activity</b>	Measured by its binding ability in a functional ELISA. Immobilized Rat PCSK9 at 10 µg/ml (100 µl/well) can bind biotinylated recombinant mouse LDLR. The EC50 of biotinylated mouse LDLR is 0.173 µg/ml.
<b>Molecular Mass</b>	The secreted recombinant mouse LDLR comprises 780 amino acids with a predicted molecular mass of 85.7 kDa. As a result of glycosylation, it migrates as approximately 120-130 kDa protein in SDS-PAGE under reducing conditions.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method
<b>Purity</b>	> 90 % as determined by SDS-PAGE

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**Storage** Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

**Reconstitution** It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

## GENE INFORMATION

**Gene Name** [Ldlr low density lipoprotein receptor \[ Mus musculus \]](#)

**Official Symbol** [Ldlr](#)

**Synonyms** LDLR; low density lipoprotein receptor; low-density lipoprotein receptor; LDL receptor; Hlb301;

**Gene ID** [16835](#)

**mRNA Refseq** [NM\\_001252658](#)

**Protein Refseq** [NP\\_001239587](#)

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