

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

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

SPECIFICATION

Product Overview	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.
Species	Mouse
Source	HEK293
ProteinLength	1-790 a.a.
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	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.
Molecular Mass	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.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method
Purity	> 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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