

# Mouse LDL Receptor (His Tag) recombinant protein



Catalog Number: 502320

## General Information

### Protein Construction

A DNA sequence encoding the extracellular domain of mouse LDLR (NP\_034830.2) precursor (Met 1-Arg 790) with substitution of Val 23 and Gly 27 by Ala 23 and Cys 27 respectively was expressed with a C-terminal polyhistidine tag.

### Organism

Mouse

### Expression Host

Human Cells

## QC Testing

### 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  $EC_{50}$  of biotinylated mouse LDLR is 0.173 µg/ml.

### Purity

> 90 % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per µg of the protein as determined by the LAL method

### Stability

Samples are stable for up to twelve months from date of receipt at -70°C

### Predicted N terminal

Ala 22

## 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.

## Formulation

Lyophilized from sterile PBS, pH 7.4

1. 5 % trehalose and mannitol are added as protectants before lyophilization.

2. Please contact us for any concerns or special requirements.

## Usage Guide

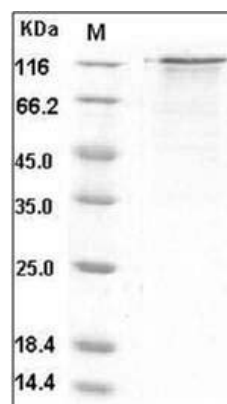
### Storage

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

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

## SDS-PAGE



Mouse LDLR / LDL Receptor Protein (His Tag)  
SDS-PAGE