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℃

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 migarates 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

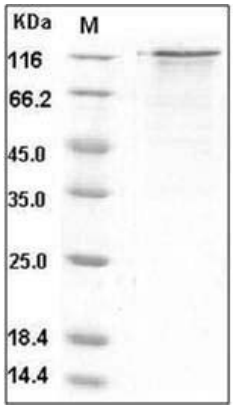
Storage

Store it under sterile conditions at -20℃ to -80℃. 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