

Active Recombinant Human LDLR protein, His-tagged

Cat. No. LDLR-798H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human LDLR protein(NP_000518.1)(Met 1-Arg 788) was expressed in HEK293 with a C-terminal polyhistidine tag.
Species	Human
Source	HEK293
ProteinLength	1-788 aa
Form	Lyophilized from sterile PBS, pH 7.4.
Bio-activity	1. Measure by its ability to bind with human PCSK9 in a functional ELISA. Immobilized human PCSK9 at 10 µg/ml (100 µl/well) can bind biotinylated recombinant human LDLR. The EC50 of biotinylated human LDLR is 0.61 µg/ml. 2. Immobilized mouse PCSK9 at 10 µg/ml (100 µl/well) can bind biotinylated recombinant human LDLR. The EC50 of biotinylated human LDLR is 0.12 µg/ml.
Molecular Mass	The secreted recombinant human LDLR comprises 777 amino acids with a predicted molecular mass of 86 kDa. As a result of different glycosylation, it migrates with the apparent molecular mass of 110-140 kDa in SDS-PAGE under reducing conditions corresponding to the mature and immature form.
Endotoxin	< 1 EU/g as determined by LAL test.
Purity	> 85 % as determined by SDS-PAGE

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Storage Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities 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 [Homo sapiens]

Official Symbol LDLR

Synonyms LDLR; low density lipoprotein receptor; low-density lipoprotein receptor; familial hypercholesterolemia; LDL receptor; low-density lipoprotein receptor class A domain-containing protein 3; FH; FHC; LDLCQ2;

Gene ID 3949

mRNA Refseq NM_000527

Protein Refseq NP_000518

MIM 606945

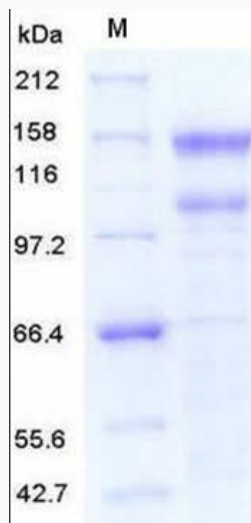
UniProt ID P01130

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SDS-PAGE



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