

Active Recombinant Human LDLR protein(Asp 193 Ala), His-tagged

Cat. No. LDLR-4432H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human LDLR protein(NP_000518.1, with mutation Asp 193 Ala) (Met1-Arg788) was expressed in HEK293 with a polyhistide tag at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	1-788 aa
Form	Lyophilized from sterile PBS, pH 7.4.
Bio-activity	Measured by its binding ability in a functional ELISA. Immobilized human LDLRh at 10 µg/mL (100 µL/well) can bind mPCSK9-mFc, the EC50 of human mPCSK9-mFc is 200-400 ng/mL.
Molecular Mass	The recombinant human LDLR consists of 778 amino acids and predicts a molecular mass of 86.19 kDa.
Endotoxin	< 1.0 EU per µg protein as determined by the LAL method.
Purity	> 95 % as determined by SDS-PAGE.
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

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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 [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; LDLQC2;

Gene ID 3949

mRNA Refseq NM_000527

Protein Refseq NP_000518

MIM 606945

UniProt ID P01130

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