

[Go to Product page](#)

Datasheet for ABIN1097071  
**LDLR Protein (AA 22-788) (His tag)**

## Overview

Quantity:	50 µg
Target:	LDLR
Protein Characteristics:	AA 22-788
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This LDLR protein is labelled with His tag.

## Product Details

Purpose:	Recombinant Human Low-Density Lipoprotein Receptor/LDLR (C-6His)
Sequence:	AVGDR CERNE FQCQDGK CIS YKWVCDGSAE CQDGSDESQE TCLSVTCKSG DFSCGGRVNR CIPQFWRC DG QVDCDNGSDE QGCPPKTCSQ DEFRCHDGKC ISRQFVCDSD RDCLDGSDEA SCPVLTCGPA SFQCNSSTCI PQLWACDNDP DCEDGSDEWP QRCRGLYVFQ GDSSPCSAFE FHCLSGECIH SSWRCDGGPD CKDKSDEENC AVATCRPDEF QCS DGNCIHG SRQCDREYDC KDMSDEVGCV NVTLCCEGPNK FKCHSGECIT LDKVCNMARD CRDWSDEPIK ECGTNECLDN NGGCSHVCND LKIGYECLCP DGFQLVAQR CEDIDECQDP DTCSQLCVNL EGGYKCQCEE GFQLDPHTKA CKAVGSIAYL FFTNRHEVRK MTLDRSEYTS LIPNLRNVVA LDTEVASNRI YWSDLSQRMI CSTQLDRAHG VSSYDTVISR DIQAPDGLAV DWIHSNIYWT DSVLGTVSVA DTKGVKRKTL FRENGSKPRA IVVDPVHGFM YWTDWGTAK IKKGGLNGVD IYSLVTENIQ WPNGITDLL SGRLYWVDSK LHSISSIDVN GGNRKTILED EKRLAHPFSL AVFEDKVFWT DIINEAIFSA NRLTGSDVNL LAENLLSPED MVLFHNLTP RGVNWCERTT LSNGGCQYLC LPAPQINPHS PKFTCACPDG MLLARDMRSC LTEAEAAVAT QETSTVRLKV SSTAVRTQHT

## Product Details

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TTRPVPDTSR LPGATPGLTT VEIVTMSHQA LGDVAGRGNE KKPSSVRLN LYFQGHHHHH H

**Characteristics:** Recombinant Human Low-Density Lipoprotein Receptor/LDLR is produced by our mammalian expression system in human cells. The target protein is expressed with sequence (Ala22-Arg788) of Human LDLR fused with a polyhistidine tag at the C-terminus.

**Purity:** > 95 % as determined by reducing SDS-PAGE.

**Sterility:** 0.2 µm filtered

**Endotoxin Level:** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

## Target Details

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**Target:** LDLR

**Alternative Name:** LDL-receptor ([LDLR Products](#))

**Sub Type:** Fusionprotein

**Background:** Low-Density Lipoprotein Receptor (LDLR) is a transmembrane glycoprotein that plays a critical role in cholesterol homeostasis. LDLR mediates blood cholesterol level by interacting with lipoprotein particles like LDL and VLDL. The extracellular domain of LDLR contains LDL receptor type A (ligand-binding) modules (LA repeats), epidermal growth factor-like modules, and LY repeats containing the YWTD consensus motif that are important in binding and releasing of ApoB-100 and ApoE in lipoprotein particles. The C terminal domain of LDLR inside the cell is required for the receptor internalization. Loss of function mutations in the LDLR gene causes Familial Hypercholesterolemia (FH).

Alternative Names: Low-Density Lipoprotein Receptor, LDL Receptor, LDLR

**Molecular Weight:** 84.78 kDa

**UniProt:** [P01130](#)

**Pathways:** [Hepatitis C](#), [Lipid Metabolism](#)

## Application Details

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**Restrictions:** For Research Use only

## Handling

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**Format:** Lyophilized

**Reconstitution:** It is not recommended to reconstitute to a concentration less than 100 µg/mL.

## Handling

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Dissolve the lyophilized protein in ddH<sub>2</sub>O.

Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

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Buffer: Lyophilized from a 0.2 µm filtered solution of 50 mM HEPES, 150 mM NaCl, pH 7.4.

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Handling Advice: Always centrifuge tubes before opening. Do not mix by vortex or pipetting.

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Storage: 4 °C/-20 °C/-80 °C

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Storage Comment: Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks.  
Reconstituted protein solution can be stored at 4-7°C for 2-7 days.  
Aliquots of reconstituted samples are stable at < -20°C for 3 months.

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Expiry Date: 3 months