

# Biotinylated Recombinant Human Low-density lipoprotein receptor/LDLR Protein

Catalog No.: RP02430B **Recombinant**

## Sequence Information

Species	Gene ID	Swiss Prot
Human	3949	P01130

### Tags

C-His&Avi

### Synonyms

LDLR; FH; FHC; LDLCQ2; low-density lipoprotein receptor;FH;FHC;LDLCQ2

## Product Information

Source	Purification
HEK293 cells	> 95% by Tris-Bis PAGE;> 95% by SEC-HPLC

**Calculated MW**   **Observed MW**

### Endotoxin

< 1 EU/μg of the protein by LAL method.

### Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.

### Reconstitution

Centrifuge the tube before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

## Contact

 | 400-999-6126

 | [cn.market@abclonal.com.cn](mailto:cn.market@abclonal.com.cn)

 | [www.abclonal.com.cn](http://www.abclonal.com.cn)

## Background

The low density lipoprotein receptor (LDLR) is the founding member of the LDL R family of widely expressed cell surface scavenger receptors. It is a cell-surface receptor that recognizes the apoprotein B100 which is embedded in the phospholipid outer layer of LDL particles.

## Basic Information

### Description

Biotinylated Recombinant Human Low-density lipoprotein receptor/LDLR Protein is produced by Expi293 expression system. The target protein is expressed with sequence (Ala22-Arg788 ) of Human LDLR fused with a His tag and Avi tag at the C-terminal.

### Bio-Activity

#### Storage

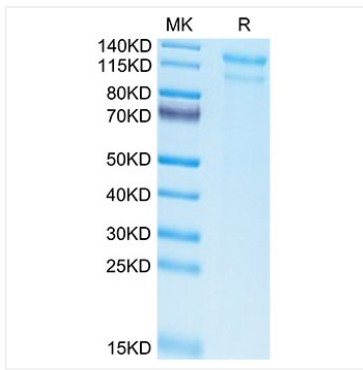
Store at -20°C. Store the lyophilized protein at -20°C to -80°C up to 1 year from the date of receipt.

After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

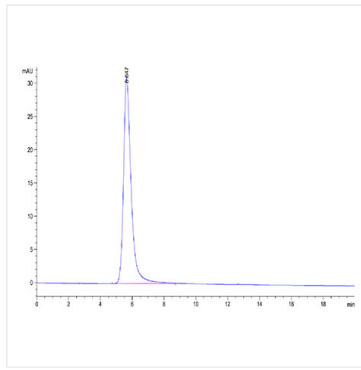
Avoid repeated freeze/thaw cycles.

## Validation Data

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Biotinylated Human LDLR on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.



The purity of Biotinylated Human LDLR is greater than 95% as determined by SEC-HPLC.