

# 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 % as determined by Tris-Bis PAGE;≥ 95 % as determined by

HPLC.

Calculated MW Observed MW

87.6 kDa 120-140 kDa

#### **Endotoxin**

< 1 EU/ $\mu g$  of the protein by LAL method.

## **Formulation**

Lyophilized from a 0.22  $\mu m$  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 stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

## Contact

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# **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 Cterminal.

#### **Bio-Activity**

## Shipping

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

## Storage

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

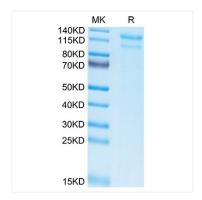
After reconstitution, the protein solution is stable at -20  $^{\circ}$ C for 3 months, at 2-8  $^{\circ}$ C for up to 1 week.

Avoid repeated freeze/thaw cycles.

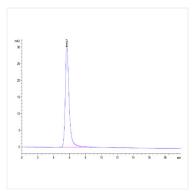
#### **Operational Notes**

For your safety and health, please wear a lab coat and disposable gloves for handling.

# **Validation Data**



Biotinylated Recombinant Human Lowdensity lipoprotein receptor/LDLR Protein was determined by Tris-Bis PAGE under reducing conditions with Coomassie Blue.



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