

Recombinant Cynomolgus LDLR Protein

Catalog No.: RP02647 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Cynomolgus	102127361	XP_00558805 3.1

Tags

C-His

Synonyms

LDLR; FHC; LDL R; LDL receptor;
LDLCQ2; FH

Product Information

Source	Purification
HEK293 cells	> 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC

Calculated MW	Observed MW
86 kDa	115-130 kDa

Endotoxin

Less than 1EU per µg by the LAL method.

Formulation


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 freeze-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

Recombinant Cynomolgus LDLR Protein is expressed from Expi293 with His tag at the C-terminal. It contains Ala22-Gly788.

Bio-Activity

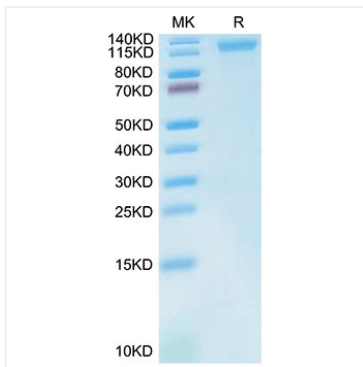
Storage

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

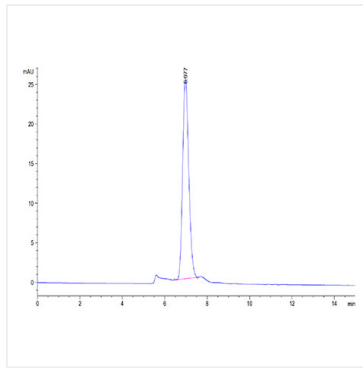
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

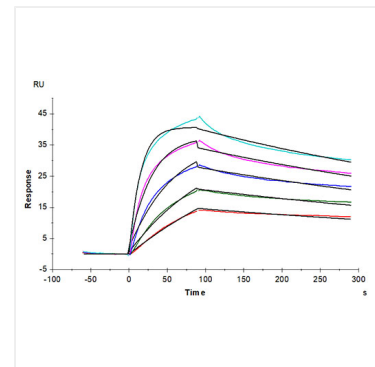
Validation Data



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



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



Cynomolgus LDLR, His Tag immobilized on CM5 Chip can bind Cynomolgus PCSK9, His Tag with an affinity constant of 0.27 nM as determined in SPR assay (Biacore T200).