

Cynomolgus LDLR Protein

Cat. No. LDL-CM101



Description

| | |
|-------------------------|--|
| Source | Recombinant Cynomolgus LDLR Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Ala22-Gly788. |
| Accession | XP_005588053.1 |
| Molecular Weight | The protein has a predicted MW of 86 kDa, Due to glycosylation, the protein migrates to 115-130 kDa based on Bis-Tris PAGE result. |
| Endotoxin | Less than 1 EU per µg by the LAL method. |
| Purity | > 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC |

Formulation and Storage

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|-----------------------|---|
| Formulation | Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization. |
| Reconstitution | Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions. |
| Storage | -20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles. |

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.

Assay Data

Bis-Tris PAGE



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

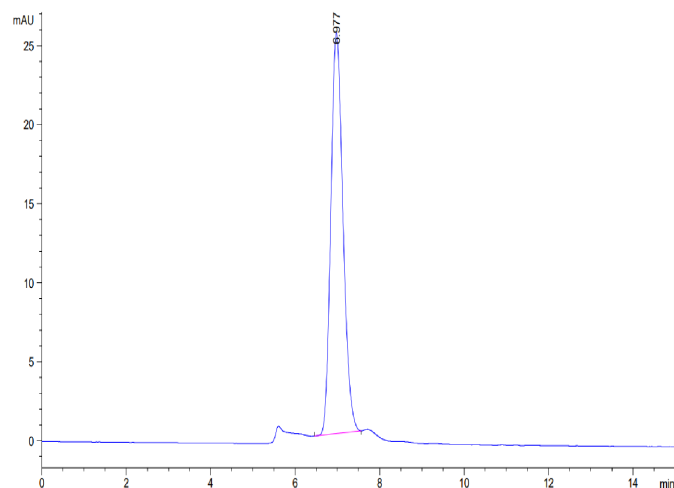
SEC-HPLC

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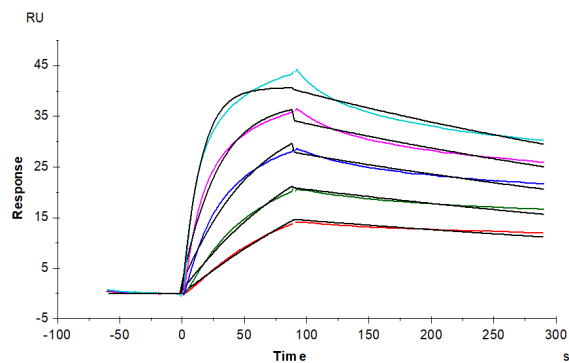


Assay Data



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

SPR Data



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).