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 1EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE
	> 95% as determined by HPLC

Formulation and Storage

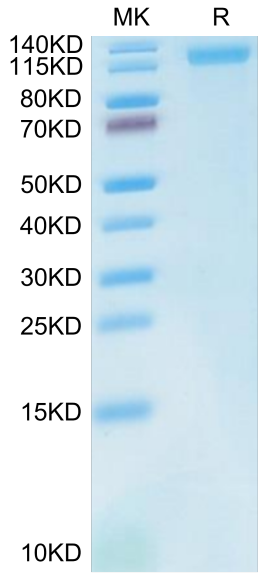
Formulation	Lyophilized from 0.22μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μg/ml is recommended. Dissolve the lyophilized protein in distilled water.
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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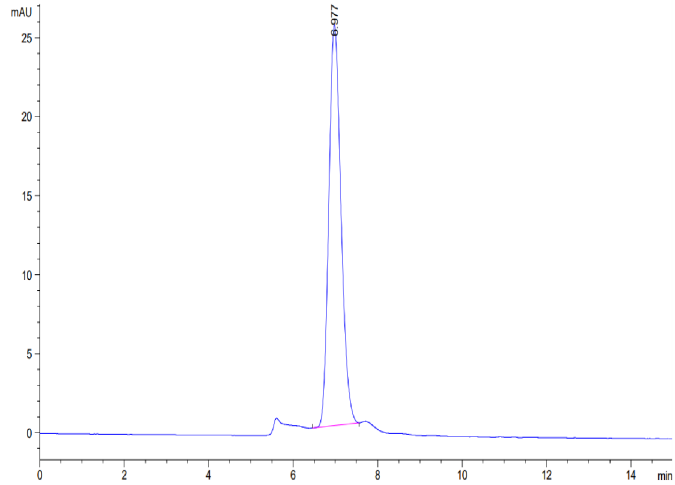
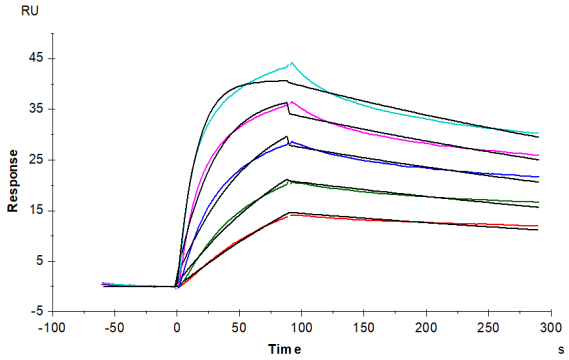
Assay Data



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).