Biotinylated Human LDLR Protein

Cat. No. LDL-HM401B

Description

Source	Recombinant Biotinylated Human LDLR Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus.
	It contains Ala22-Arg788.
Accession	P01130-1
Molecular Weight	The protein has a predicted MW of 87.6 kDa, Due to glycosylation, the protein migrates to 120-140 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

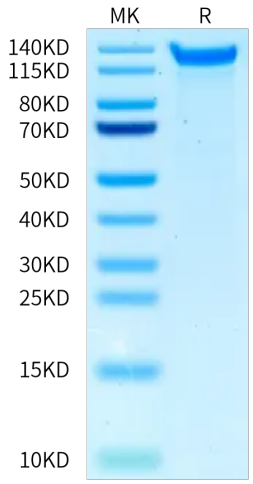
Formulation	Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for 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.

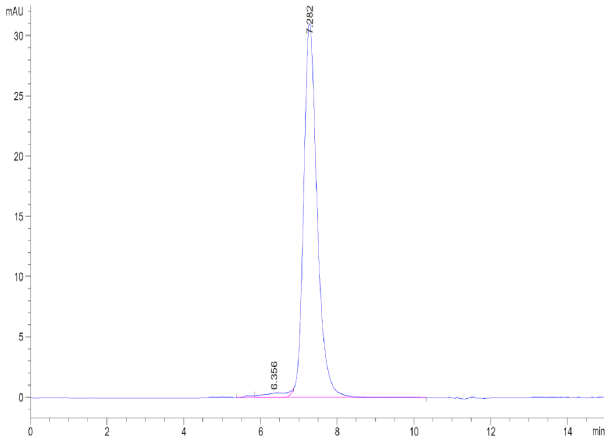
Assay Data

Bis-Tris PAGE



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

SEC-HPLC



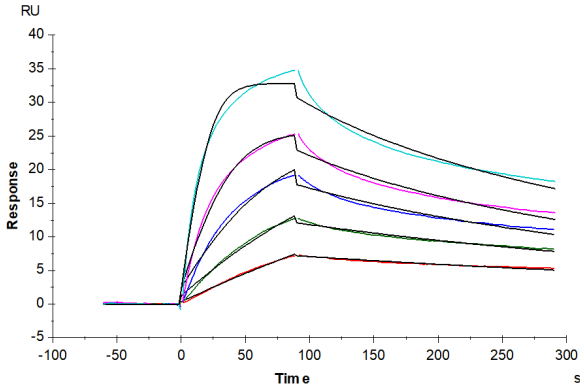
The purity of Biotinylated Human LDLR is greater than 95% as determined by SEC-HPLC.

Biotinylated Human LDLR Protein

Cat. No. LDL-HM401B

Assay Data

SPR Data



Biotinylated Human LDLR, His Tag immobilized on CM5 Chip can bind Human PCSK9, His Tag with an affinity constant of 0.23 nM as determined in SPR assay (Biacore T200).