Recombinant Human LDLR protein, His-Avi-tagged, Biotinylated

Cat. No. LDLR-267H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Biotinylated Recombinant Human LDLR protein(P01130-1)(Ala22-Arg788), fused with C-terminal His and Avi tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	Ala22-Arg788
Tag	C-His-Avi
Conjugation/Label	Biotin
Form	Lyophilized from 0.22μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Bio-activity	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).
Molecular Mass	The protein has a predicted MW of 87.6 kDa, Due to glycosylation, the protein migrates to 110-130 kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per μg by the LAL method.

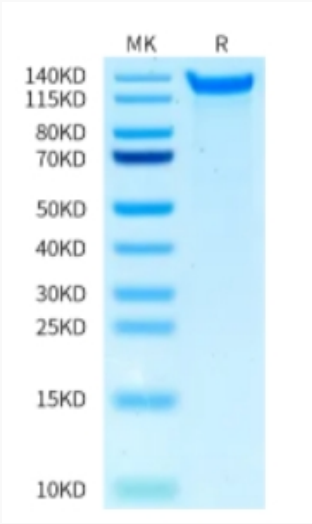
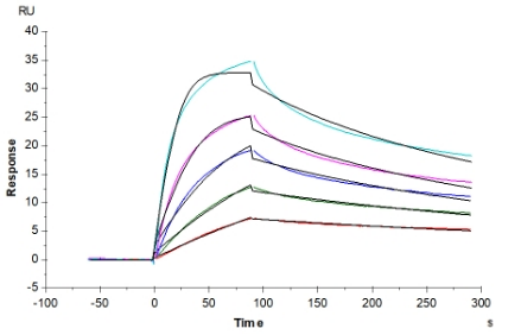
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Purity	> 95% as determined by Tris-Bis PAGE; > 95% as determined by HPLC
Storage	Reconstituted protein stable at -80°C for 12 months, 4°C for 1 week. Use a manual defrost freezer and avoid repeated freeze-thaw cycles.
Reconstitution	Centrifuge tubes before opening. Reconstituting to a concentration more than 100 μg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Conjugation	Biotin

GENE INFORMATION

Gene Name	LDLR low density lipoprotein receptor [Homo sapiens]
Official Symbol	LDLR
Synonyms	LDLR; low density lipoprotein receptor; low-density lipoprotein receptor; familial hypercholesterolemia; LDL receptor; low-density lipoprotein receptor class A domain-containing protein 3; FH; FHC; LDLCQ2;
Gene ID	3949
mRNA Refseq	NM_000527
Protein Refseq	NP_000518
MIM	606945
UniProt ID	P01130

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Tris-Bis PAGE	
SPR Data	

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