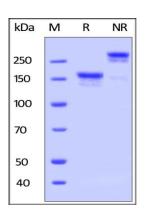
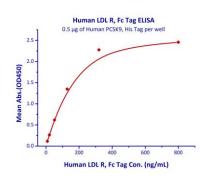
BinVision

Human CellExp[™] LDL R, Fc Tag, Human recombinant

CATALOG NO:	P1128-10 P1128-50	10 µg 50 µg
ALTERNATE NAMES:	LDLR, FH, FHC, LDLCQ2	
SOURCE:	HEK 293 cells (Ala 22 – Arg 788)	
PURITY:	> 95% by SDS – PAGE	
MOL. WEIGHT:	This protein carries a human IgG1 Fc tag at the C-terminus. The protein has a calculated MW of 111.4 kDa. As a result of glycosylation, protein migrates as 155-175 kDa under reducing (R) condition and 310-350 kDa under non-reducing (NR) condition on SDS-PAGE gel.	
ENDOTOXIN LEVEL:	< 1.0 EU per 1 μ g of protein (determined by LAL method)	
FORM:	Lyophilized	
FORMULATION:	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Generally Mannitol or Trehalose is added as a protectant before lyophilization.	
STORAGE CONDITIONS:	Store at -20°C. After reconstitution, aliquot and store at -20°C and use within 3 months. Avoid repeated freezing and thawing cycles.	
RECONSTITUTION:	deionized water to 60 minutes at ro Carrier protein (0 further dilution an	vial prior to opening. Reconstitute in sterile of a concentration of 50 μ g/ml. Solubilize for 30 to om temperature with occasional gentle mixing. 0.1% (W/V) HSA or BSA) is recommended for d long term storage. Do not vortex. This solution 2-8°C for up to 1 month. For extended storage, it to store at -80°C.
DESCRIPTION:	FH, FHC, LDLCC (after removal of cholesterol-rich L the apoprotein B1 layer of LDL par protein found in cl belongs to the LC receptor complex the cell surface, w are pinched off to allows LDL-chole: known as endocy	protein (LDL) Receptor is also known as LDLR, 12, and is a mosaic protein of ~840 amino acids signal peptide) that mediates the endocytosis of DL. It is a cell-surface receptor that recognizes 100 which is embedded in the phospholipid outer ticles. The receptor also recognizes the apoE nylomicron remnants and VLDL remnants (IDL). It bw density lipoprotein receptor gene family. LDL es are present in clathrin-coated pits (or buds) on which when bound to LDL-cholesterol via adaptin, form clathrin-coated vesicles inside the cell. This sterol to be bound and internalized in a process tosis and prevents the LDL just diffusing around urface. This occurs in all nucleated cells (not



12/16



The purity of Human CD83, His Tag was determined by DTT-reduced (+) SDS-PAGE and staining overnight with Coomassie Blue.

Immobilized Human PCSK9. His Tag at 5µg/mL (100 µL/well) can bind Human LDL R, Fc Tag with a linear range of 8-320 ng/mL.

from the circulation. Synthesis of receptors in the cell is regulated by the level of free intracellular cholesterol; if it is in excess for the needs of the cell then the transcription of the receptor gene will be inhibited. LDL receptors are translated by ribosomes on the endoplasmic reticulum and are modified by the Golgi apparatus before travelling in vesicles to the cell surface. LDL is directly involved in the development of atherosclerosis, due to accumulation of LDL-cholesterol in the blood. Atherosclerosis is the process responsible for the majority of cardiovascular diseases.

RELATED PRODUCT:

- Human CellExp[™] LDLR, human recombinant (Cat. No. 7472-10, -50) ٠
- Human CellExp[™] VLDLR, human recombinant (Cat. No. 7464-1000) ٠
- Lipoprotein, Human Plasma, Low Density (Cat. No. 4931-10, -50) ٠
- ٠ Lipoproteins, Human Plasma, Very Low Density (Cat. No. 4933-1000)
- Lipoproteins, Low Density, Human Plasma, Suitable for Cell Culture (Cat. No. 7854-. 1000)
- Lipoproteins, Very Low Density, Human Plasma, Suitable for Cell Culture (Cat. No. ٠ 7855-1000)
- LDLR Antibody (Cat. No. 3839-100) ٠
- LDLR Blocking Peptide (Cat. No. 3839BP-50)

FOR RESEARCH USE ONLY! Not to be used on humans.

