Recombinant Human LDLR Protein, MYC/DDK-tagged

Cat. No. LDLR-422H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human LDLR protein, fused to MYC/DDK tag at C-terminus, was expressed in HEK293.
Species	Human
Source	HEK293
Description	The low density lipoprotein receptor (LDLR) gene family consists of cell surface proteins involved in receptor-mediated endocytosis of specific ligands. Low density lipoprotein (LDL) is normally bound at the cell membrane and taken into the cell ending up in lysosomes where the protein is degraded and the cholesterol is made available for repression of microsomal enzyme 3-hydroxy-3-methylglutaryl coenzyme A (HMG CoA) reductase, the rate-limiting step in cholesterol synthesis. At the same time, a reciprocal stimulation of cholesterol ester synthesis takes place. Mutations in this gene cause the autosomal dominant disorder, familial hypercholesterolemia. Alternate splicing results in multiple transcript variants.[provided by RefSeq, Sep 2010].
Form	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10 % glycerol.
Molecular Mass	93 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method

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GENE INFORMATION

Gene Name	low density lipoprotein receptor [Homo sapiens]
Official Symbol	LDLR
Synonyms	FH; FHC; LDLCQ2
Gene ID	3949
mRNA Refseq	NM_001195798.1
Protein Refseq	NP_001182727.1
MIM	606945
UniProt ID	P01130

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