

# Recombinant Cynomolgus monkey LDLR Protein, His-tagged

Cat. No. LDLR-345C Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Cynomolgus monkey LDLR protein with His tag was expressed in HEK293.
<b>Species</b>	Cynomolgus
<b>Source</b>	HEK293
<b>ProteinLength</b>	860
<b>Description</b>	The low density lipoprotein receptor (LDLR) gene family consists of cell surface proteins involved in receptor-mediated endocytosis of specific ligands. The encoded protein is normally bound at the cell membrane, where it binds low density lipoprotein/cholesterol and is taken into the cell. Lysosomes release the cholesterol, which 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.
<b>Form</b>	Lyophilized
<b>Molecular Mass</b>	86.8 kDa
<b>AA Sequence</b>	MEPWGWKLRWTVAFLLAAAEAAVGDR CERNEFQCEDGK CISKWVCDGTAECQD GSDSQETCLSVTCKSGDFSCGGRVNR CIPQFWRCDGEVDCENGSDQDCPPKT

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CSQDEFRCHDGGKCIYRQFVCDSDRDCLDGSDEASCPVLTCGPASFQCNSSTCIPQL  
 WACDNDPDCEDGSDEWPQHCGGLEVPKRDSSPCSAFEFHCRSGECIHSGWRCD  
 GGPDCCKDSDEENCPVATCRPDEFQCSGDGTCTIHGSRQCDREYDCKDMSDEVGCIN  
 VTLCEGPNKFKCHSGECISLDKVCNMARDCRDWSDEPIKECGTNECLDNNGGCSHI  
 CNDLKIGYECLCPDGFQLVAQRRCEDIDECQDPDTCSQLCVNLEGSYKQCCEEGFQ  
 LDPHTKACKAVGSIAYLIFTNRHEVRKMTLDRSEYTSVIPNLRNVVALDTEVASNRIY  
 WSDLSQRMIYSTQLDRAHSVSSYDTVISRDLQAPDGLAVDWIHSNIYWTDSVLGTVS  
 VADTKGVKRKTLFRENGSKPRAIVDPVHGFMYWTDWGTGPAKIKKGLNGVDIYSL  
 VTENIEWPNGITLDFPSGRLYWVDSKLHSSIDVNGGNRKTVLEDKERLAHPFLAI  
 FEDKVFWDIINEAIFSANRLTGSDINLLAENLLSPEDMVLFHNLTPRGVNWERTT  
 LSNGGCQYLCLPAPQINPQSPKFTCTCPDGMLLAKDMRSCLTEAEAAVATQETSTV  
 RLMVSSKAVATQHTTTRPVPNTSQLPGATPGLTTAETVTMSHQALGDVAGRGNEKK  
 PKSVGALSIVLPTVLLVFLCLGAFLLWKNWRLKSINSINFDPVYQKTTEDEVHICRN  
 QDGYSYPSRQMVSLEDDVA

**Purity** > 98%

**Applications** WB; ELISA; FACS; FC

**Stability** This bioreagent is stable at 4 centigrade (short-term) and -70 centigrade(long-term). After reconstitution, sample may be stored at 4 centigrade for 2-7 days and below -18 centigrade for future use.

**Storage** At -20 centigrade.

**Concentration** 1 mg/mL

**Storage Buffer** PBS (pH 7.4-7.5). Sterile-filtered colorless solution.

**Reconstitution** Reconstitute in sterile distilled H<sub>2</sub>O to no less than 100 µg/mL; dilute reconstituted

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stock further in other aqueous solutions if needed. Please review COA for lot-specific instructions. Final measurements should be determined by the end-user for optimal performance.

## GENE INFORMATION

<b>Gene Name</b>	LDLR low density lipoprotein receptor [ <i>Callithrix jacchus</i> ]
<b>Official Symbol</b>	LDLR
<b>Synonyms</b>	LDLR; low density lipoprotein receptor;
<b>Gene ID</b>	100385319
<b>mRNA Refseq</b>	XM_035285437
<b>Protein Refseq</b>	XP_035141328
<b>UniProt ID</b>	F6W4Q9

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