

Recombinant Cynomolgus monkey LDLR Protein, His-tagged

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

SPECIFICATION

Product Overview	Recombinant Cynomolgus monkey LDLR protein with His tag was expressed in HEK293.
Species	Cynomolgus
Source	HEK293
ProteinLength	860
Description	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.
Form	Lyophilized
Molecular Mass	86.8 kDa
AA Sequence	MEPWGWKLRWTVAFLLAAAEAAVGDR CERNEFQCEDGK CISYKWVCDGTAECQD GSDSQETCLSVTCKSGDFSCGGRVNR CIPQFWRC DGEVDCENG SDEQDCPPKT

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CSQDEFRC HDGKCIYRQFVCDS DRDCLDGSDEASCPVLTCGPASFQCNSSTCIPQL
WACDNDPDCEDGSDEWPQHCQGLEVPKRDSSPCSAFEFHCRSGECIHSGWRCD
GGPDCKDKSDEENCVPVATCRPDEFQCS DGT CIHGSRQCDREYDCKDMSDEVGCIN
VTLCEGPNKFKCHSGECISLDKVCNMARDCRDWSDEPIKECGTNECLDNNGGCSHI
CNDLKIGYECLCPDGFQLVAQRRCEDIDECQDPDTCSQLCVNLEGSYKCQCEEFGQ
LDPHTKACKAVGSIAYLIFTNRHEVRKMTLDRSEYTS LIPNLRNVVALDTEVASNRIY
WSDLSQRMIYSTQLDRAHSVSSYDTVISRDLQAPDGLAVDWIHSNIYWTDSVLGTVS
VADTKGVKRKTLFRENGSKPRAIVDPVHGFMYWTDWGT PAKIKKGGLNGVDIYSL
VTENIEWPNGITLDFPSGRLYWVDSKLHSISSIDVNGGNRKT VLEDKERLAHPFSLAI
FEDKVFWDIINEAIFSANRLTGSDINLLAENLLSPEDMVL FHNLTQPRGVNWCERTT
LSNGGCQYLCLPAPQINPQSPKFTCTCPDGM LLA KDMRSCLTEAEAAVATQETSTV
RLMVSSKAVATQHTTTRPVPNTSQLPGATPGLTTAETVTMSHQALGDVAGRGNEKK
PKSVGALSIVLPTVLLVFLCLGAFLLWKNWRLKSINSINFDNPVYQKTTEDEVHICRN
QDGYSYPSRQMV SLEDDVA

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 ₂ 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

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