

## 32-7907: Recombinant Human Low-Density Lipoprotein Receptor/LDLR (C-6His/AVI)(Discontinued)

**Gene :** LDLR  
**Gene ID :** 3949  
**Uniprot ID :** P01130

### Description

Source: Human Cells.

MW :90.1kD.

Recombinant Human LDL Receptor is produced by our Mammalian expression system and the target gene encoding Ala22-Arg788 is expressed with a AVI, 6His tag at the C-terminus. Low-density lipoprotein receptor 9 (LDL receptor) is a single-pass type I membrane protein which belongs to the LDLR family. It contains 3 EGF-like domains, 7 LDL-receptor class A domains, and 6 LDL-receptor class B repeats. This protein binds LDL, the major cholesterol-carrying lipoprotein of plasma, and transports it into cells by endocytosis. In order to be internalized, the receptor-ligand complexes must first cluster into clathrin-coated pits. In case of HIV-1 infection, it functions as a receptor for extracellular Tat in neurons, mediating its internalization in uninfected cells. Defects in LDLR will result in familial hypercholesterolemia.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Lyophilized from a 0.2 µm filtered solution of 50mM HEPES, 150mM NaCl, pH 7.4.  
**Storage condition :** Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.  
**Amino Acid :** AVGDRCERNEFQCQDGGKICISYKWWCDGSAECQDGSDESQETCLSVTCKSGDFSCGGRVNRCPQFWRC DG QVDCDNGSDEQGCPKTC SQDEF RCHD GKCISRQFVCDSDRDCLDGSDEASCPVLTCGPASFQCNSSTCIPQ LWACDNDPDCEDGSDDEWPQRCRGLYVFQGDSSPCSAFEFHCLSGECIHSSWRCDGGPDCKDKSDEENCAV ATCRPDEFQCS DGNCIHGS RQC DREYDCKDMSDEVGCVNVTLC EGP NKF KCHSGECITLDKVCNMARDCRD WSD EPIKECGTNECLDNNGGCSHVCNDLKIGYECLCPDGFQLVAQRRCEDIDECQDPDTC SQLCVNLEGGYK CQCEEGFQLDPHTKACKAVGSIAYLFFTNRHEVRKMTLDRSEYTS LIPNLRNVVALDTEVASNRIYWSDLSQRM ICSTQLDRAHGVSSYDTVISRDIQAPDGLAVDWIHSNIYWTDSVLGTVSVADTKGVKRKTLFRENGSKPRAIVV DPVHGFM YWTDWGT PAKIKKGG L NGVDIYSLVTENIQWPNGITLDLLSGRLYWVDSKLHSSISIDVNGGNRKT I LEDEKRLAHPFSLAVFEDKVFWTDIINEAIFSANRLTGSDVNLLAENLLSPEDMVL FHNLTQPRGVNWCERTTLS NGGCQYLCLPAPQINPHSPKFTCACPDGM L LARDMR SCLTEAEAAVATQETSTVRLKVSSTAVRTQHTTTRPVP DTSRLPGATPGLTTVEIVTMSHQALGDVAGRGNEKKPSSVRGLNDIFEAQKIEWHELENLYFQGH HHHHHH

### Application Note

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in ddH<sub>2</sub>O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.