

## 32-7808: Recombinant Human Low-Density Lipoprotein Receptor/LDLR (C-6His)(Discontinued)

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

### Description

Source: Human Cells.  
MW :84.78kD.

Recombinant Human LDL Receptor is produced by our Mammalian expression system and the target gene encoding Ala22-Arg788 is expressed with a 6His tag at the C-terminus. Low-Density Lipoprotein Receptor (LDLR) is a transmembrane glycoprotein that plays a critical role in cholesterol homeostasis. LDLR mediates blood cholesterol level by interacting with lipoprotein particles like LDL and VLDL. The extracellular domain of LDLR contains LDL receptor type A (ligand-binding) modules (LA repeats), epidermal growth factor-like modules, and LY repeats containing the YWTD consensus motif that are important in binding and releasing of ApoB-100 and ApoE in lipoprotein particles. The C terminal domain of LDLR inside the cell is required for the receptor internalization. Loss of function mutations in the LDLR gene causes Familial Hypercholesterolemia (FH).

### 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 :** AVGDRCERNEFQCQDGKCSISKYKWCDSGSAECQDGSDESQETCLSVTKSGDFSCGGRVNRCPQFWRCDG QVDCDNGSDEQGCPPKTCQDEFRCHDGGKICISRQFVCDSDRDCLDGSDEASCPVLTGCPASFCNSSTCIPQ LWACDNDPDCEDGSDEWPQRCRGLYVFQGDSSPCSAFEFHCLSGECIHSSWRCDGGPDKDKSDEENCAV ATCRPDEFQCSGDNCHGSRQCDREYDCKDMSDEVGCVNVTLCGPNKFKCHSGECITLTKVNMARDCRD WSDPEIKCGTNECLDNNGGCSHVCNDLKIGYECLCPDGFQVAQRRCEDIDECQDPDTCSQLCVNLEGGYK CQCEEGFQLDPHTKACKAVGSIAYLFFTNRHEVRKMTLDRSEYTSVIPNLRNVVALDTEVASNRIYWSDL SQRM ICSTQLDRAHGVSVDYTVISRDIQAPDGLAVDWIHSNIYWTDSVLGTVSVADTKGVKRTLFRENGSKPRAIVV DPVHGFMYWTDWGTTPAKIKKGGNGVDIYSLVTENIQWPNGITLDDLGRLYWVDSKLHSSIDVNGGNRRTI LEDEKRLAHPFSLAVFEDKVFWDIINEAIFSANRLTGSDVNLLAENLLSPEDMVLFNLTQPRGVNWCERTTLS NNGCQYLCLPAPQINPHSPKFTCACPDGMILLARDMRSCLTEAEEAVATQETSTVRLKVSSTAVRTQHTTTRPVP DTSRLPGATPGLTTVEIVTMSHQALGDVAGRGNEKKPSSVRLNLYFQGHHHHHH

### 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.