

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 QVDCDNGSDEQGCPPKTCQDEFRCHDGGKICISRQFVCDSDRDCLDGSDEASCPVLTGCPASFCNSSTCIPIQ LWACDNDPDCEDGSDEWPQRCRGLYVFQGDSSPCSAFEFHCLSGECIHSSWRCDGGPDKDKSDEENCAV ATCRPDEFQCSGDNCHGSRQCDREYDCKDMSDEVGCVNVTLCGPNKFKCHSGECITLTKVNMARDCRD WSDPEIKCGTNECLDNNGGCASHVCNDLKIGYECLCPDGFQLVAAQRRCEDIDECQDPDTCSQLCVNLEGGYK CQCEEGFQLDPHTKACKAVGSIAYLFFTNRHEVRKMTLDRSEYTSVIPNLRNVVALDTEVASNRIYWSDL SQRM ICSTQLDRAHGVSSTYDVISRDIQAPDGLAVDWIHSNIYWTDSVLGTVSVADTKGVKRTLFRENGSKPRAIVV DPVHGFMYWTDWGTTPAKIKKGGNGVDIYSLVTENIQWPNGITLDLLSGRLYWVDSKLHSSIDVNGGNRRTI 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 ddH₂O. 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.