

## 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 :** AVGDR CERNEFQCQDGK C I S Y K W V C D G S A E C Q D G S D E S Q E T C L S V T C K S G D F S C G G R V N R C I P Q F W R C D G Q V D C D N G S D E Q G C P P K T C S Q D E F R C H D G K C I S R Q F V C D S D R D C L D G S D E A S C P V L T C G P A S F Q C N S S T C I P Q L W A C D N D P D C E D G S D E W P Q R C R G L Y V F Q G D S S P C S A F E F H C L S G E C I H S S W R C D G G P D C K D K S D E E N C A V A T C R P D E F Q C S D G N C I H G S R Q C D R E Y D C K D M S D E V G C V N V T L C E G P N K F K C H S G E C I T L D K V C N M A R D C R D W S D E P I K E C G T N E C L D N N G G C S H V C N D L K I G Y E C L C P D G F Q L V A Q R R C E D I D E C Q D P D T C S Q L C V N L E G G Y K C Q C E E G F Q L D P H T K A C K A V G S I A Y L F F T N R H E V R K M T L D R S E Y T S L I P N L R N V V A L D T E V A S N R I Y W S D L S Q R M I C S T Q L D R A H G V S S Y D T V I S R D I Q A P D G L A V D W I H S N I Y W T D S V L G T V S V A D T K G V K R K T L F R E N G S K P R A I V V D P V H G F M Y W T D W G T P A K I K K G G L N G V D I Y S L V T E N I Q W P N G I T L D L L S G R L Y W V D S K L H S I S S I D V N G G N R K T I L E D E K R L A H P F S L A V F E D K V F W T D I I N E A I F S A N R L T G S D V N L L A E N L L S P E D M V L F H N L T Q P R G V N W C E R T T L S N G G C Q Y L C L P A P Q I N P H S P K F T C A C P D G M L L A R D M R S C L T E A E A V A T Q E T S T V R L K V S S T A V R T Q H T T T R P V P D T S R L P G A T P G L T T V E I V T M S H Q A L G D V A G R G N E K K P S S V R G L N D I F E A Q K I E W H E L E N L Y F Q G H H H H H H

### 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 Åµg/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/Åµg (1 IEU/Åµg) as determined by LAL test.