

Recombinant Human Low-Density Lipoprotein Receptor/LDLR Protein(C-6His/AVI)

Cat.NO.: TP06076

3th Edition

Synonyms:Low-Density Lipoprotein Receptor; LDL Receptor; LDLR

Description: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.

Form:PBS

Molecular Weight:90.1 kDa

Sequences:Ala22-Arg788

Purity:> 95% by HPLC

Concentration:

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.