

32-4101: Recombinant Human Low Density Lipoprotein Receptor Adaptor Protein 1

Alternative Name : Low density lipoprotein receptor adaptor protein 1, Autosomal recessive hypercholesterolemia protein, ARH1, FHCB1, FHCB2, ARH2, LDL receptor adaptor protein, MGC34705, DKFZp586D0624.

Description

Source : E.coli. LDLRAP1 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 328 amino acids (1-308) and having a molecular mass of 36.1kDa. LDLRAP1 is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. LDLRAP1 is a cytosolic protein that holds a phosphotyrosine binding (PTD) domain and performing as a cytosolic adaptor it couples LDLR to endocytic machinery. Mutations in LDLRAP1 are the reason for autosomal recessive hypercholesterolemia (ARH) which is a condition triggered by defective internalization of LDL receptors (LDLR) in the liver.

Product Info

Amount :	20 µg
Purification :	Greater than 90% as determined by SDS-PAGE.
Content :	The LDLRAP1 solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 200mM NaCl, 2mM DTT and 10% glycerol.
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MDALKSAGRA LIRSPSLAKQ SWGGGGRHRK LPENWTDTRE TLLEGMLFSL KYLGMTLVEQ PKGEELSAAA IKRIVATAKA SGKKLQKVTL KVSPRGIILT DNLTNQLIEN VSIYRISYCT ADKMHDKVFA YIAQSQHNQS LECHAFLECTK RKMAQAVTLT VAQAFKVAFE FWQVSKEEKE KRDKASQEGG DVLGARQDCT PPLKSLVATG NLLDLEETAK APLSTVSANT TNMDEVPRPQ ALSGSSVVWE LDDGLDEAFS RLAQSRTNPQ VLDTGLTAQD MHYAQCLSPV DWDKPDSSGT EQDDLFSF