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LDLRAP1 Human

Catalog #:PRPS-1040

For research use only.

Description: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.

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

Source:E.coli.

Physical Appearance: Sterile Filtered colorless solution.

Amino Acid Sequence:MGSSHHHHHH SSGLVPRGSH MDALKSAGRA LIRSPSLAKQ SWGGGGRHRK LPENWTDTRE TLLEGMLFSL KYLGMTLVEQ PKGEELSAAA IKRIVATAKA SGKKLQKVTL KVSPRGIILT DNLTNQLIEN VSIYRISYCT ADKMHDKVFA YIAQSQHNQS LECHAFLCTK RKMAQAVTLT VAQAFKVAFE FWQVSKEEKE KRDKASQEGG DVLGARQDCT PPLKSLVATG NL

Purity: Greater than 90% as determined by SDS-PAGE.

Formulation:
The LDLRAP1 solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 200mM NaCl, 2mM DTT and 10% glycerol.

Stability:
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.

Usage:
NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drµgs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:
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.

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