9051 Mira Mesa Blvd, #910094
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Tel: 760-390-3989

LDLRAP1 Human

Low Density Lipoprotein Receptor Adaptor Protein 1 Human Recombinant RCP1233

Product Overview

Name	LDLRAP1 Human

Description

Low Density Lipoprotein Receptor Adaptor Protein 1 Human Recombinant

Accession (Primary)	Q5SW96

Synonyms

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

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.

Source

E.coli.

Physical Appearance

Sterile Filtered colorless solution.

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.

Purity

Greater than 90% as determined by SDS-PAGE.

Amino acid sequence

MGSSHHHHHH SSGLVPRGSH MDALKSAGRA LIRSPSLAKQ SWGGGGRHRK LPENWTDTRE TLLEGMLFSL KYLGMTLVEQ PKGEELSAAA IKRIVATAKA SGKKLQKVTL KVSPRGIILT DNLTNQLIEN VSIYRISYCT ADKMHDKVFA YIAQSQHNQS LECHAFLCTK RKMAQAVTLT VAQAFKVAFE FWQVSKEEKE KRDKASQEGG

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DVLGARQDCT PPLKSLVATG NLLDLEETAK APLSTVSANT TNMDEVPRPQ ALSGSSVVWE LDDGLDEAFS RLAQSRTNPQ VLDTGLTAQD MHYAQCLSPV DWDKPDSSGT EQDDLFSF

Precautions

LDLRAP1 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q5SW96)