
Product Data Sheet

Product Name: LDLRAP1 Human
 Cat. No.: GP23808
 Batch No.: 1

Product Data

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Low density lipoprotein receptor adaptor protein 1; Autosomal recessive hypercholesterolemia protein; ARH1; FHCB1; FHCB2; ARH2; LDL receptor adaptor protein; MGC34705; DKFZp586D0624.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MDALKSAGRA LIRPSLAKQ SWGGGGRHRK LPENWTDTRE TLLEGMLFSL KYLGMTLVEQ PKGEELSAAA IKRIVATAKA SGKKLQKVTL KVSPRGIILT DNLTNQLIEN VSIYRISYCT ADKMHDKVFA YIAQSQHNQS LECHAFLCTK RKMAQAVTLT VAQAFKVAFE FWQVSKEEKE KRDKASQEGG DVLGARQDCT PPLKSLVATG NLLDLEETAK APLSTVSANT TNMDEVPRPQ ALSGSSVWWE LDDGLDEAFS RLAQSRTNPQ VLDTGLTAQD MHYAQCLSPV DWDKPDSSGT EQDDLFSF		
Formulation	The LDLRAP1 solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 200mM NaCl, 2mM DTT and 10% glycerol.		

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.

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.

Background

LDLRAP1 Human Recombinant produced in E.coli is a single, non-glycosylated

Caution: Product has not been fully validated for medical applications. For research use only.

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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.

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