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AR50221PU-S Human LDLRAP1 (1-308, His-tag) - Purified

Alternate names: ARH, Autosomal recessive hypercholesterolemia protein, LDLRAP1, Low density lipoprotein receptor adapter protein 1

Quantity: 0.1 mg

Concentration: 0.5mg/ml (determined by Bradford assay)

Background: LDLRAP1 (Low density lipoprotein receptor adapter protein 1) is a cytosolic protein which contains a phosphotyrosine binding (PTD) domain. LDLRAP1 is a cytosolic adaptor that couples LDLR to endocytic machinery. Defects in LDLRAP1 are the cause of autosomal recessive hypercholesterolemia (ARH). ARH is a disorder caused by defective internalization of LDL receptors (LDLR) in the liver.

Uniprot ID: Q5SW96

NCBI: AAH29770

GeneID: 26119

Species: Human

Source: E. coli

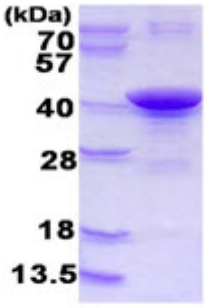
Format:
State: Liquid purified protein
Purity: >90% by SDS - PAGE
Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 2mM DTT, 10% glycerol, 200mM NaCl

Description: Recombinant human LDLRAP1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
AA Sequence:
MGSSHHHHHH SSGLVPRGSH MDALKSAGRA LIRSPSLAKQ SWGGGGRHRK LPENWTDTRE
TLLEGMLFSL KYLGMTLVEQ PKGEELSAAA IKRIVATAKA SGKKLQKVTL KVSPRGIILT
DNLTNQLIEN VSIYRISYCT ADKMHDKVFA YIAQSQHNQS LECHAFLCTK RKMAQAVTLT
VAQAFKVAFE FWQVSKEEKE KRDKASQEGG DVLGARQDCT PPLKSLVATG NLLDLEETAK
APLSTVSANT TNMDEVPRPQ ALSGSSVVWE LDDGLDEAFS RLAQSRTNPQ VLDTGLTAQD
MHYAQCLSPV DWDKPDSSGT EQDDLFSF
Molecular weight: 36.1 kDa (328aa), confirmed by MALDI-TOF

Storage: Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer.
Avoid repeated freezing and thawing.
Shelf life: one year from despatch.

General Readings: Garcia C.K., et al. (2001) Science 292:1394-1398Mishra S.K., et al. (2005) J. Biol. Chem. 280:19270-19280

Pictures:



15% SDS-PAGE (3ug)