

Recombinant human ARH/LDLRAP1 protein

Catalog Number: ATGP1396

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-308aa

UniProt No.

Q5SW96

NCBI Accession No.

AAH29770

Alternative Names

Low density lipoprotein receptor adaptor protein 1, ARH, ARH1, ARH2, FHCB1, FHCB2

PRODUCT SPECIFICATION

Molecular Weight

36.1 kDa (328aa) confirmed by MALDI-TOF

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 2mM DTT, 10% glycerol, 200mM NaCl

Purity

> 90% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

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. Recombinant human LDLRAP1 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

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Amino acid Sequence

MGSSHHHHHH SSGLVPRGSH MDALKSAGRA LIRSPSLAKQ SWGGGGRRHRK 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

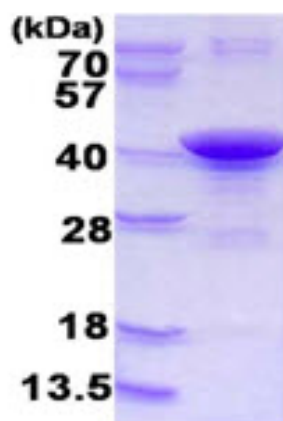
General References

Garcia C.K., et al. (2001) Science 292:1394-1398

Mishra S.K., et al. (2005) J. Biol. Chem. 280:19270-19280

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)