

Recombinant Human Low Density Lipoprotein Receptor Adaptor Protein 1, His-tagged

Cat. No. LDLRAP1-1396H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human LDLRAP1 protein, fused to His-tag atN-terminus, was expressed in E. coli andpurified by using conventional chromatography techniques.
Species	Human
Source	E.coli
Description	LDLRAP1(Low density lipoprotein receptor adapter protein 1) is a cytosolic proteinwhich contains a phosphotyrosine binding (PTD) domain. LDLRAP1 is a cytosolic adaptor that couples LDLR to endocyticmachinery. Defects in LDLRAP1are the cause of autosomal recessive hypercholesterolemia (ARH). ARH is adisorder caused by defective internalization of LDL receptors (LDLR) in theliver.
Form	Liquid. In 20mMTris-HCl buffer (pH 8.0) containing 2mM DTT, 10% glycerol, 200mM NaCl.
Molecular Weight	36.1 kDa (328aa), confirmed by MALDI-TOF.
Purity	> 90%by SDS-PAGE
Concentration	0.5mg/ml(determined by Bradford assay)
Sequences of aminoacids	MGSSHHHHHHSSGLVPRGSH MDALKSAGRA LIRSPSLAKQ SWGGGGRRHRK LPENWTDTRE TLLEGMLFSLKYLGMTLVEQ PKGEELSAAA IKRIVATAKA

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SGKKLQKVTL KVSPRGIILT DNLTNQLIEN VSIYRISYCTADKMHDKVFA
YIAQSQHNQS LECHAFLCTK RKMAQAVTLT VAQAFKVAFE FWQVSKEEKE
KRDKASQEGGDVLGARQDCT PPLKSLVATG NLLDLEETAK APLSTVSANT
TNMDEVPRPQ ALSGSSVVWE LDDGLDEAFSRLAQSRNPQ VLDTGLTAQD
MHYAQCLSPV DWDKPDSSGT EQDDLFSF

Storage

Can bestored at +4°C short term (1-2 weeks). For long term storage, aliquot andstore at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

OfficialSymbol

LDLRAP1

nullValue_other

Pathways

Chylomicron-mediatedlipid transport; Endocytosis; LDL-mediated lipid transport;
Lipid digestion,mobilization, and transport ;Lipoprotein metabolism; Metabolism
of lipids andlipoproteins

GENE INFORMATION

Gene Name

LDLRAP1 low density lipoproteinreceptor adaptor protein 1 [Homo sapiens]

Synonyms

LDLRAP1; low densitylipoprotein receptor adaptor protein 1; ARH; ARH1;
ARH2;FHCB1; FHCB2; MGC34705; DKFZp586D0624; OTTHUMP00000008526;
LDL receptoradaptor protein; autosomal recessive hypercholesterolemia protein;
Lowdensity lipoprotein receptor adaptor protein 1; Autosomal
recessivehypercholesterolemia protein

Gene ID

26119

mRNA Refseq

NM_015627

Protein Refseq

NP_056442

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MIM	605747
UniProt ID	Q5SW96
Chromosome Location	1p36-p35

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