

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

Cat. No. LRPAP1-1384H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant humanLRPAP1 protein, fused to His-tag at N-terminus, was expressed in E. coli andpurified by using conventional chromatography.
Species	Human
Source	E.coli
Description	LRPAP1,also known as alpha-2-macroglobulin receptor-associated protein, belongs tothe alpha-2-MRAP family. This protein interacts withLRP1/alpha-2-macroglobulin receptor and glycoprotein 330. It is present onthe cell surface forming a complex with the alpha 2 macroglobulin receptorheavy and light chains In complex with the alpha 2 MR or gp330, it may havesome role in the pathogenesis of membrane glomerular nephritis.
Form	Liquid. 20mM Tris-HClbuffer (pH8.0) containing 20% glycerol 1mM DTT.
Molecular Weight	40.4 kDa(348aa), confirmed by MALDI-TOF.
Purity	> 90%by SDS - PAGE
Concentration	1.0mg/ml (determined by Bradford assay)
Sequences of aminoacids	MGSSHHHHHHSSGLVPRGSH MGSHMYSREK NQPKPSPKRE SGEEFRMEKL NQ LWEKAQRLHLPVRLAEL HADLKIQRD ELAWKKLKLD GLDEEDGEKEARLIRNLNV

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IL AKYGLDGKKD ARQVTSNSLS GTQEDGLDDP RLEKLWHKAK TSGKFSGEEL DK
 LWREFLHHKEKVHEYNVLLETLSRTEEIHENVISPSDL SDIKGSVLHS RHTELKEKLR
 SINQGLDRLR RVSHQGYSTE AEFEPRVID LWDLAQSANLTDKELEAFREELKHFE
 AKIEKHNHYQKQLE IAHEKLRHAE SVGDGERVSR SREKHALLEG RTKELGYTVK K
 HLQDLSGRI SRARHNEL

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.

GENE INFORMATION
Gene Name

LRPAP1 low density lipoproteinreceptor-related protein associated protein 1 [Homo sapiens]

Official Symbol

LRPAP1

Synonyms

LRPAP1; low density lipoproteinreceptor-related protein associated protein 1; RAP; MRAP; A2RAP; HBP44;A2MRAP; MGC138272; alpha-2-macroglobulin receptor-associated protein;alpha-2-MRAP; OTTHUMP00000115346; lipoprotein receptor associated protein;alpha-2-macroglobulin receptor-associated protein 1; low density lipoproteinreceptor-related protein-associated protein 1; low densitylipoprotein-related protein-associated protein 1 (alpha-2-macroglobulinreceptor-associated protein 1)

Gene ID

4043

mRNA Refseq

NM_002337

Protein Refseq

NP_002328

MIM

104225

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UniProt ID	P30533
Chromosome Location	4p16.3
Pathway	Lissencephaly gene (LIS1) in neuronal migration and development; Reelin signaling pathway; Signaling events mediated by the Hedgehog family
Function	asialoglycoprotein receptor activity; heparin binding; lipase binding; low-density lipoprotein particle receptor binding; receptor antagonist activity; unfolded protein binding; very-low-density lipoprotein particle receptor binding
PDB rendering based on 1lre.	