

Recombinant human LRPAP protein

Catalog Number: ATGP1384

PRODUCT INFORMATION

Expression system

E.coli

Domain

35-357aa

UniProt No.

P30533

NCBI Accession No.

NP_002328

Alternative Names

alpha-2-macroglobulin receptor-associated protein, A2MRAP, A2RAP, HBP44, MGC138272, MRAP, RAP

PRODUCT SPECIFICATION

Molecular Weight

40.4 kDa (348aa) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 20% glycerol, 1mM DTT

Purity

> 90% by SDS-PAGE

Endotoxin level

< 1 EU per 1ug of protein (determined by LAL method)

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

LRPAP1, also known as alpha-2-macroglobulin receptor-associated protein, belongs to the alpha-2-MRAP family. This protein interacts with LRP1/alpha-2-macroglobulin receptor and glycoprotein 330. It is present on the cell surface forming a complex with the alpha 2 macroglobulin receptor heavy and light chains. In complex with the alpha 2 MR or gp330, it may have some role in the pathogenesis of membrane glomerular nephritis.

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Recombinant human LRPAP1 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography.

Amino acid Sequence

<MGSSHHHHHH SSGLVPRGSH MGSHM>YSREK NQPKPSPKRE SGEEFRMEKL NQLWEKAQRL HLPPVRLAEL
HADLKIQERD ELAWKKLKLD GLDEEDGEKEA RLIRNLNVIL AKYGLDGKKD ARQVTSNSLS GTQEDGLDDP RLEKLWKKAK
TSGKFSGEEL DKLWREFLHH KEKVHEYNVL LETLSRTEEI HENVISPSDL SDIKGSLVLS RHTELKEKLR SINQGLDRLR
RVSHQGYSTE AEFEEPRVID LWDLAQSANL TDKELEAFRE ELKHFEAKIE KHNHYQKQLE IAHEKLRHAE SVGDGERVSR
SREKHALLEG RTKELGYTVK KHLQDLSGRI SRARHNEL

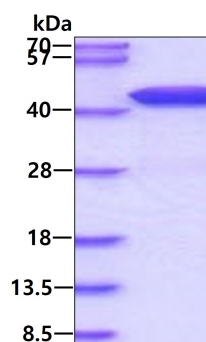
General References

Vash B. et al. (1998) Blood 92: 3277-3285.

Trommsdorff M. et al. (1999) Cell 97: 689-701.

DATA

SDS-PAGE



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