

AR51953PU-N

Mouse LRPAP1 / A2MRAP (29-360, His-tag) - Purified

Alternate names:

Alpha-2-MRAP, Alpha-2-macroglobulin receptor-associated protein, Low density lipoprotein receptor-related protein-associated protein 1, RAP

Quantity:

0.5 mg

Concentration:

1.0 mg/ml (determined by absorbance at 280nm)

Background:

Lrpap1 also known as Alpha-2-macroglobulin receptor-associated protein. The alpha-2-macroglobulin receptor-associated protein (RAP) is a glycoprotein that binds to the alpha-2-macroglobulin receptor, as well as to other members of the low density lipoprotein receptor family. Lrpap1 acts to inhibit the binding of all know ligands for these receptors, and may prevent receptor aggregation and degradation in the endoplasmic reticulum, thereby acting as a molecular chaperone. Lrpap1 may be under the regulatory control of calmodulin, since it is able to bind calmodulin and be phosphorylated by calmodulin-dependent kinase II.

Uniprot ID:

[P55302](#)

NCBI:

[NP_038615](#)

GenelD:

[16976](#)

Species:

Mouse

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >90% by SDS - PAGE

Buffer System: Liquid, In Phosphate buffered saline (pH7.4) containing 10% glycerol.

Description:

Recombinant mouse Lspap1, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

AA Sequence:

MGSSHHHHH SSGLVPRGSH MGSQPIAGHG GKYSREKNEP EMAAKRESGE EFRMEKLNQL
WEKAKRLHLS PVRLAELHSD LKIQERDELN WKKLKVEGLD KDGEKEAKLI HNLNVILARY
GLDGRKDAQM VHSNALNEDT QDELGDPRLE KLWHKAKTSG KFSSEELDKL WREFLHYKEK
IQEYNVLLDT LSRAEEGYEN LLSPSDMAHI KSDTLISKHS ELKDRLRSIN QGLDRLRKVS
HQQYGSTTEF EEPRVIDLWD LAQSANFTEK ELESFREEK HFEAKIEKHN HYQKQLEISH
QKLKHVESIG DPEHISRKE KYVLLEEKTK ELGYKVKKHL QDLSSRVSRA RHNEL

Molecular weight: 41.4 kDa (355aa) 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.

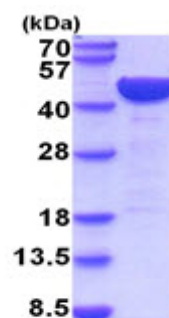
Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

General Readings:

Strickland D.K., et al. (1991) J. Biol. Chem. 266:13364-13369. Van Leuven F., et al. (1998) Genomics 52:145-151.

Pictures:



15% SDS-PAGE (3ug)