

Recombinant Human Alpha-2-MRAP/LRPAP1 Protein

Catalog No.: RP00058 **Recombinant**

Sequence Information

| Species | Gene ID | Swiss Prot |
|---------|---------|------------|
| Human | 4043 | P30533 |

Tags

C-His

Synonyms

LRPAP1;A2MRAP;A2RAP;HBP44;MRAP;MY P23;RAP;alpha-2-MRAP

Product Information

| Source | Purification |
|----------------|--------------------|
| <i>E. coli</i> | > 87% by SDS-PAGE. |

| Calculated MW | Observed MW |
|---------------|-------------|
| 38.61 kDa | 40 kDa |

Endotoxin

< 1.0 EU/μg of the protein by LAL method.

Formulation

Lyophilized from a 0.22 μm filtered solution of 20mM Tris, 150mM NaCl, 5% glycerol, pH 8.0. Contact us for customized product form or formulation.

Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize freeze-thaw cycles.

Contact

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Background

This protein that interacts with the low density lipoprotein (LDL) receptor-related protein and facilitates its proper folding and localization by preventing the binding of ligands.

Basic Information

Description

Recombinant Human Alpha-2-MRAP/LRPAP1 Protein is produced by *E. coli* expression system. The target protein is expressed with sequence (Tyr35-Leu357) of human LRPAP (Accession #NP_002328.1) fused with an initial Met at the N-terminus and a 6xHis tag at the C-terminus.

Bio-Activity

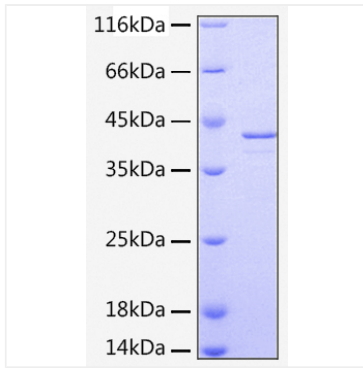
Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

Validation Data



Recombinant Human Alpha-2-MRAP/LRPAP1 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at approximately 40 kDa.