

Recombinant Human AMRP Protein

For Research Use Only

1. Basic Product Information

Catalog No.: REP50031

Size: 10ug, 100ug

Protein Name: Alpha-2-macroglobulin receptor-associated protein (Alpha-2-MRAP) (Low density lipoprotein receptor-related protein-associated protein 1) (RAP)

Synonym: LRPAP1, A2MRAP

UniProt ID: P30533

UniProt Link: www.uniprot.org/uniprotkb/P30533/entry

Species Source: Human

Expression System: HEK293T eukaryotic cell expression system Sequence

Length: 357 AA

Molecular Weight: 41 KD

Protein Tag: C-terminal His6

2. Amino Acid Sequence

MAPRRVRSFLRGLPALLLLLLLFLGPWPAASHGGKYSREKNQPKPSPKRESGEEFRMEKLNQLWEK
AQRHLPPVRLAELHADLKIQRDELAWKKLKLDGLDEGEKEARLIRNLNVILAKYGLDGKKDARQV
TSNSLSGTQEDGLDDPRLEKLWHKAKTSGKFSGEELDKLWREFLHHKEKVHEYNVLLETLSRTEI
ENVISPSDLSDIKGSVLHSRHTELKEKLRSINQGLDRLRRVSHQGYSTAEFEPRVIDLWDLAQSAN
LTDKELEAFREELKHFEAKIEKHNYQKQLEIAHEKLRHAESVGDGERVSRSEKHALLEGRTKELG
YTVKKHLQDLSGRISRARNEL

3. Buffer Composition

Liquid format: PBS-based buffer containing 50% glycerol. Glycerol concentration can be customized upon customer request; please state special requirements when placing your order.

Lyophilized format: Buffer before lyophilization is PBS supplemented with 6% trehalose.

4. Storage Conditions

Upon receipt, store the product at -20 °C or -80 °C. Aliquot the product for on-demand use to preserve protein activity and prevent denaturation and inactivation caused by repeated freeze-thaw cycles.

5. Product Description

This product is recombinant Alpha-2-macroglobulin receptor-associated protein (Alpha-2-MRAP) (Low density lipoprotein receptor-related protein-associated protein 1) (RAP) produced using the HEK293T eukaryotic cell expression system. It is suitable for in-vitro functional assays, protein-protein interaction studies, antibody preparation and other biomedical research applications.

Protein Function: Molecular chaperone for LDL receptor-related proteins that may regulate their ligand binding activity along the secretory pathway.

Subcellular Localization: Rough endoplasmic reticulum lumen . Endoplasmic reticulum-Golgi intermediate compartment lumen . Golgi apparatus, cis-Golgi network . Golgi apparatus lumen . Endosome lumen . Cell surface . Note=May be associated with receptors at the cell surface.

6. Notes

- Avoid repeated freeze-thaw cycles to maintain protein stability and biological activity.
- Please specify special buffer-composition requirements at the time of order placement.
- For research use only. Not intended for clinical diagnosis, therapeutic use or commercial manufacturing.