

Recombinant Human RAB1A Protein Product Manual

1. Product Basic Information

Product No.: REP07985

Protein Name: Ypt1-Related Protein (RAB1A)

Aliases: RAB1; YPT1; YPT1-related protein; Rab GTPase YPT1 homolog; GTP binding protein Rab1a; ras-related protein Rab-1A; RAB1, member RAS oncogene family; RAB1A, member RAS oncogene family

UniProt ID: P62820

UniProt Link: <https://www.uniprot.org/uniprotkb/P62820/entry>

Species Source: Homo sapiens (Human)

Expression System: E.coli

Protein Length: Full Length of Mature Protein (2-205aa)

Molecular Weight: 49.5kDa

Protein Tag: N-terminal GST-tagged

2. Amino Acid Sequence (2-205aa)

SSMNPEYDYLFKLLLIGDSGVGKSCLLRFADDTYTESYISTIGVDFKIRTIELDGKTIK
LQIWDTAGQERFRTITSSYYRGAHGIIVVYDVTDQESFNNVKQWLQEIDRYASENVN
KLLVGNKCDLTTKKVVDYTTAKEFADSLGIPFLETSAKNATNVEQSFMTMAAEIKKR
MGPGATAGGAEKSNVKIQSTPVKQSGGGCC

3. Storage Buffer

Liquid Delivery Form: Tris/PBS-based buffer with 5%-50% glycerol. Custom glycerol content is available upon customer request (please specify requirements when placing orders).

Lyophilized Powder Delivery Form: Pre-lyophilization buffer is Tris/PBS-based buffer containing 6% Trehalose.

4. Storage Conditions

Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the



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protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause protein denaturation and activity loss.

5. Product Description

This product is a recombinant Human RAB1A full length of mature protein protein (2-205aa) expressed in E.coli. The protein is with GST tag at the N-terminus, which facilitates protein purification, detection and identification. RAB1A, also known as RAB1 or YPT1 or YPT1-related protein, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

6. Notes

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.