

# Recombinant human RAB11A protein

Catalog Number: ATGP0557

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

1-213aa

### UniProt No.

P62491

### NCBI Accession No.

NP\_004654

### Alternative Names

Ras-related protein Rab-11A, RAB11A member RAS oncogene family, Rab-11, YL8

## PRODUCT SPECIFICATION

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### Molecular Weight

28.1 kDa (249aa) confirmed by MALDI-TOF

### Concentration

1mg/ml (determined by Bradford assay)

### Formulation

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

### Purity

> 90% by SDS-PAGE

### 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

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### Description

Ras-related protein Rab-11A, also known as RAB11A, belongs to the small GTPase superfamily, Rab family. It is associated with both constitutive and regulated secretory pathways, and may be involved in protein transport. RAB11A is a known marker for protein trafficking, sorting, and recycling in the endosomal pathway. Recombinant human RAB11A, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

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## Amino acid Sequence

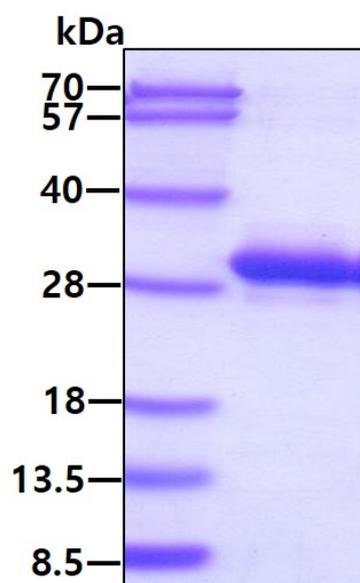
<MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGS>MGTR DDEYDYLFKV VLIGDSGVGK SNLLSRFTRN  
EFNLESKSTI GVEFATRSIQ VDGKTIKAQI WDTAGQERYR AITSAYYRGA VGALLVYDIA KHLTYENVER WLKELRDHAD  
SNIVIMLVGN KSDLRHLRAV PTDEARAF AE KNGLSFIETS ALDSTNVEAA FQTILTEIYR IVSQKQMSDR RENDMSPSNN  
VPIHVPPTT ENKPKVQCC

## General References

Gromov PS., et al. (1998). FEBS Lett. 429(3):359-64.  
Hales CM., et al. (2001) J Biol Chem. 276(42):39067-75

## DATA

### SDS-PAGE



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