

# Recombinant human RAB34 protein

Catalog Number: ATGP1291

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

1-259aa

### UniProt No.

Q9BZG1

### NCBI Accession No.

NP\_114140

### Alternative Names

Ras-related protein Rab-34, RAB39, RAH, RAB34 member RAS oncogene family, Ras-related protein Rab-39, Ras-related protein Rah, nine-amino acid residue-repeats, NARR

## PRODUCT SPECIFICATION

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### Molecular Weight

31.2 kDa (279aa) confirmed by MALDI-TOF

### Concentration

0.5mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 40% glycerol, 0.1M NaCl, 1mM DTT

### 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

RAB34, also known as ras-related protein Rab34, is localized to the plasma membrane and endocytic compartments and controls a fast endocytic recycling pathway. This protein is involved in protein transport, specifically the redistribution of lysosomes to the peri-Golgi region. In fibroblasts, this protein was colocalized with actin to the membrane ruffles and membranes of relatively large vesicles adjacent to the ruffles. Recombinant human RAB34 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by

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using conventional chromatography.

## Amino acid Sequence

MGSSHHHHHH SSGLVPRGSH MNILAPVRRD RVLAEQPQL RKEAALHGK DFHPRVTCAC QEHRGTGVGF KISKVIVVGD  
LSVGKTCLIN RFCKDTFDKN YKATIGVDFE MERFEVLGIP FSLQLWDTAG QERFKCIAS YRGAQAIIV VFNLDVASL  
EHTKQWLADA LKENDPSSVL LFLVGSKKDL STPAQYALME KDALQVAQEM KAEYWAVSSL TGENVREFFF RVAALTFEAN  
VLAELEKSGA RRIGDVVRIN SDDSNLYLTA SKKKPTCCP

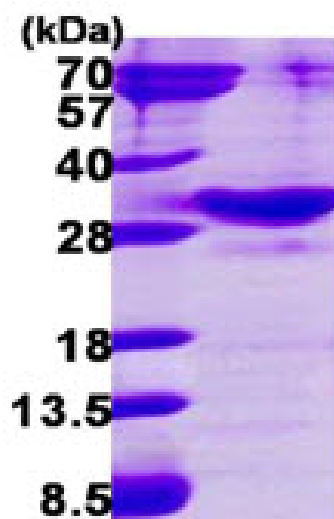
## General References

Sun P. et al. (2003) J Biol Chem. 278 :4063-71.

Novick P. et al. (1993) Cell. 75: 597-601.

## DATA

### SDS-PAGE



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

15% SDS-PAGE (3ug)