

# Recombinant human RAB35 protein

Catalog Number: ATGP1218

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

1-201aa

### UniProt No.

Q15286

### NCBI Accession No.

NP\_006852.1

### Alternative Names

Ras-related protein Rab-35, H-ray, RAB1C, RAY, RAB35 member RAS oncogene family, GTP-binding protein RAY, Ras-related protein Rab-1C

## PRODUCT SPECIFICATION

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### Molecular Weight

25.1 kDa (221aa) confirmed by MALDI-TOF

### Concentration

0.25mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 40% glycerol, 0.15M 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

RAB35, also known as ras-related protein Rab-35, is localized to the plasma membrane and endocytic compartments and controls a fast endocytic recycling pathway. Consistent with a key requirement for Rab35-regulated recycling during cell division, inhibition of Rab35 function leads to the accumulation of endocytic markers on numerous cytoplasmic vacuoles in cells that failed cytokinesis. Recombinant human RAB35 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography.

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## Amino acid Sequence

<MGSSHHHHH SSGLVPRGSH> MARDYDHLFK LLIIGDSGVG KSSLLLRFAD NTFSGSYITT IGVDFKIRTV EINGEKVKLQ  
IWDTAGQERF RTITSTYYRG THGVIVVYDV TSAESFVNK RVLHEINQNC DDVCRILVGN KNDDPERKVV ETEDAYKFAG  
QMGIQLFETS AKENVNVEEM FNCITELVLR AKKDNLAKQQ QQQQNDVVKL TKNSKRKKRC C

## General References

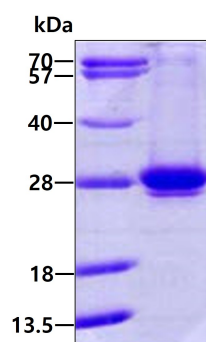
Kouranti I., et al. (2006) Curr. Biol. 16:1719-1725

Marat A.L., et al. (2010) J. Biol. Chem. 285:10627-10637

## DATA

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### SDS-PAGE



3 $\mu$ g by SDS-PAGE under reducing condition and visualized by coomassie blue stain.