

# Recombinant human RAB31 protein

Catalog Number: ATGP1518

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

1-195aa

### UniProt No.

Q13636

### NCBI Accession No.

NP\_006859

### Alternative Names

RAB31 member RAS oncogene family, Rab22B, Ras-related protein Rab-31, Ras-related protein Rab-22B, RAB31

## PRODUCT SPECIFICATION

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### Molecular Weight

25.9 kDa (232aa) confirmed by MALDI-TOF

### Concentration

0.5mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 30% glycerol

### 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

RAB31, also known as RAB22B, is a 194 amino lipid-anchored protein that localizes to the cytoplasmic side of the cell membrane and belongs to the Rasrelated GTPase superfamily. Expressed at high levels in lung, brain and heart, RAB31 may function in a similar manner to other Rab proteins, namely playing a role in protein transport. Recombinant human RAB31 protein, 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 GMASMTGGGQ MGRDLYDDDD KDRWGSHMMA IRELKVCLLG DTGVGKSSIV CRFVQDHFHDH  
NISPTIGASF MTKTVPCGNE LHKFLIWDTA GQERFHSLAP MYYRGSAAAV IVYDITKQDS FYTLKKWVKE LKEHGPENIV  
MAIAGNKCDL SDIREVPLKD AKEYAESIGA IIVVETSACKNA INIEELFQGI SRQIPPLDPH ENGNGTIKV EKPTMQASRR CC

### General References

Rodriguez Gabin A G., et al. (2001) J Neurosci Res. 66:1149-1160.

Lodhi I J., et al. (2007) Cell Metab. 5: 59-72.

## DATA

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### SDS-PAGE

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

