

# Recombinant human RAB18 protein

Catalog Number: ATGP1289

## PRODUCT INFORMATION

---

### Expression system

E.coli

### Domain

1-206aa

### UniProt No.

Q9NP72

### NCBI Accession No.

NP\_067075.1

### Alternative Names

Ras-related protein Rab-18, RAB18LI1, RAB18 member RAS oncogene family

## PRODUCT SPECIFICATION

---

### Molecular Weight

24.5 kDa (221aa)

### Concentration

1mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 7.5) containing 1mM DTT

### Purity

> 90% by SDS-PAGE

### Tag

T7-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

---

### Description

RAB18 is a member of a family of Ras-related small GTPase that is lipid-anchored to the cytoplasmic side of the cell membrane. It plays a role in apical recycling and endocytosis and is also thought to be involved in protein transport between early endosomes and the plasma membrane. Recombinant human Rab18 protein, fused to T7-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

### Amino acid Sequence

<MASMTGGQQM GRGSH>MDEDV LTTLKILIIG ESGVGKSSLL LRFTDDTFDP ELAATIGVDF KVKTISVDGN KAKLAIWDTA

# Recombinant human RAB18 protein

Catalog Number: ATGP1289

GQERFRTLTP SYRGAQGVV LVDVTRRDT FVKLDNWLNE LETYCTRNDI VNMLVGNKID KENREVDRE GLKFARKHSM  
LFIEASAKTC DGVQCAFEEL VEKIIQTPGL WESENQNKGV KLSHREEGQG GGACGGYCSV L

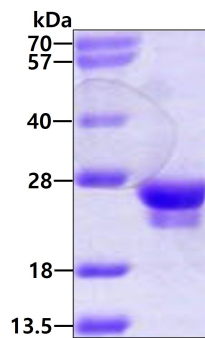
## General References

McMurtrie EB., et al. (1997) Genomics. 45(3):623-5.

Ozeki S., et al. (2005) J Cell Sci. 118(12):2601-11.

## DATA

### SDS-PAGE



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