

Recombinant human RAB31 protein

Catalog Number: ATGP1518

PRODUCT INFORMATION

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

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

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 CRFVQDHFDH
NISPTIGASF MTKTVPCGNE LHKFLIWDTA GQERFHSLAP MYYRGSAAAV IVYDITKQDS FYTLKKWVKE LKEHGPENIV
MAIAGNKCDL SDIREVPLKD AKEYAESIGA IVVETSAKNA 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

SDS-PAGE

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

