

Recombinant human RAB34 protein

Catalog Number: ATGP1291

PRODUCT INFORMATION

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

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

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 RVLAELPQCL RKEAALHGHK DFHPRVTCAC QEHRGTGVGF KISKVIVVGD
LSVGKTCLIN RFCKDTFDKN YKATIGVDFE MERFEVLGIP FSLQLWDTAG QERFKCIAS YRGAQAIII VFNLNDVASL
EHTKQWLADA LKENDPSSVL LFLVGSKKDL STPAQYALME KDALQVAQEM KAEYWAVSSL TGENVREFFF RVAALTFEAN
VLAELEKSGA RRIGDVVRIN SDDSNLYLTA SKKKPTCCP

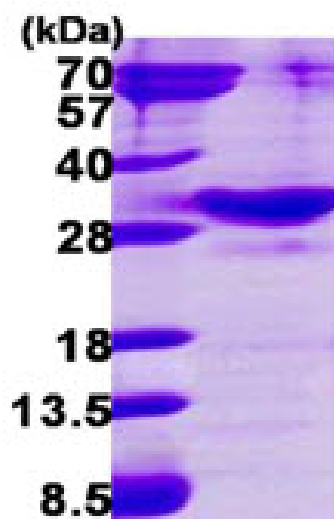
General References

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)