

Recombinant human RAB21 protein

Catalog Number: ATGP0907

PRODUCT INFORMATION

Expression system

E.coli

Domain

18-222aa

UniProt No.

Q9UL25

NCBI Accession No.

NP_055814.1

Alternative Names

Ras-related protein Rab-21, RAB21 member RAS oncogene family, KIAA0118

PRODUCT SPECIFICATION

Molecular Weight

27.1 kDa (242aa) confirmed by MALDI-TOF

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 2mM DTT, 200mM NaCl, 1mM PMSF

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

Ras-related protein Rab-21, also known as RAB21, is a member of the Ras superfamily of small GTP-binding proteins. Rab21 is integrin-associated protein and positive regulators of integrin traffic. This protein associate with the cytoplasmic domains of alpha-integrin chains and their expression influences the endo/exocytic traffic of integrins. This function of Rab21 is dependent on its GTP/GDP cycle and proper membrane targeting. Recombinant human RAB21 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 GMASMTGGQQ MGRDLYDDDD KDRWGSM>YSF KVLLGEGCV GKTSLVLRYS ENKFNDKHIT
TLQASFLTKK LNIGGKRVNL AIWDTAGQER FHALGPIYYR DSNAILVYD ITDEDSFQKV KNWVKELRKM LGNEICLCIV
GNKIDLEKER HVSIQEAESY AESVGAKHYH TSAKQNKIE ELFLDLCKRM IETAQVDERA KGNQSSQPGT ARRGVQIIDD
EPQAQTSGGG CC

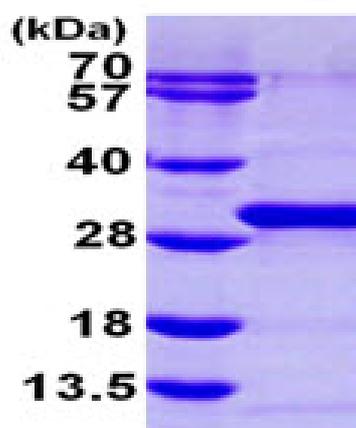
General References

Pellinen T., et al (2008) Dev. Cell 15:371-385

Opdam F.J.M., et al (2000) Eur. J. Cell Biol. 79:308-316

DATA

SDS-PAGE



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

15% SDS-PAGE (3ug)