

Recombinant human RAB14 protein

Catalog Number: ATGP1107

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-215aa

UniProt No.

P61106

NCBI Accession No.

NP_057406

Alternative Names

Ras-related protein Rab-14, FBP, RAB-14, RAB14 member RAS oncogene family, F protein-binding protein 1, bA165P4.3 (member RAS oncogene family), Small GTP binding protein RAB14

PRODUCT SPECIFICATION

Molecular Weight

26.3 kDa (238aa) confirmed by MALDI-TOF

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 20% 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

RAB14 is a member of the RAB protein family, low molecular mass monomeric GTPases localized on the cytoplasmic surfaces of distinct membrane bound organelles. This protein is thought to be involved in vesicular trafficking and neurotransmitter release throughout the body and is expressed at high levels in brain, lung, kidney, spleen and thymus. It is involved in the biosynthetic/recycling pathway between the Golgi and endosomal compartments. Recombinant human RAB14 protein, fused to His-tag at N-terminus, was expressed in

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E. coli and purified by using conventional chromatography.

Amino acid Sequence

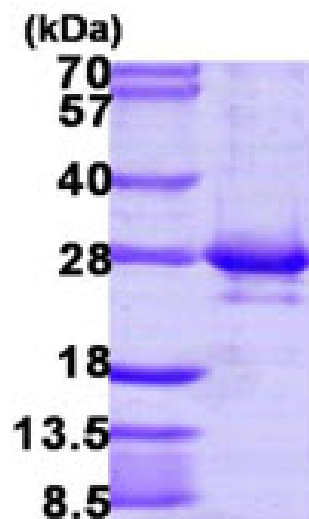
MGSSHHHHHH SSGLVPRGSH MGSMATAPYN YSYIFKYIII GDMGVGKSCL LHQFTEKKFM ADCPHTIGVE FGTRIIIVSG
QKIKLQIWDI AGQERFRAVT RSYRGAAGA LMVYDITRRS TYNHLSSWLT DARNLTNPNT VIILIGNKAD LEAQRDVTYE
EAKQFAEENG LLFLEASAKT GENVEDAFLE AAKKIYQNIQ DGSLDLNAAE SGVQHKPSAP QGGRLTSEPQ PQREGCGC

General References

Junutula JR. et al. (2004) Mol Biol Cell. 15:2218-29.
Olkkonen V.M. et al. (1993) J. Cell Sci. 106:1249-61.

DATA

SDS-PAGE



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

15% SDS-PAGE (3ug)