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Recombinant human RAB10 protein

Catalog Number: ATGP1963

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-200aa

UniProt No.
P61026

NCBI Accession No.
NP_057215.3

Alternative Names
Ras-related GTP-binding protein RAB10, RAB10, RAB10 member RAS oncogene family, Ras-related protein Rab-10

PRODUCT SPECIFICATION

Molecular Weight
24.7 kDa (220aa)

Concentration
0.5mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol 0.4M urea

Purity
> 85% by SDS-PAGE

Tag
His-Tag

Application
SDS-PAGE, Denatured

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
RAB10 is a member of the Ras superfamily of small GTP-binding proteins. This protein is a key regulator of endocytic recycling, especially in the basolateral recycling pathways of polarized epithelial cells. It is required for the recruitment of CNT-1 to endosomal membranes in the intestinal epithelium. Recombinant human RAB10 protein, fused to His-tag at N-terminus, was expressed in E. coli.

Amino acid Sequence
<MGSSHHHHHH SSGLVPRGSH> MAKKTYDLLF KLLLIGDSGV GKTCVLFRFS DDAFNTTFIS TIGIDFKIKT VELQGKKIKL

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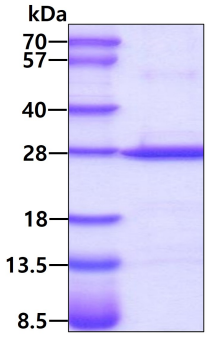
QIWDTAGQER FHTITTSYYR GAMGIMLVYD ITNGKSFENI SKWLRNIDEH ANEDVERMLL GNKCDMDDKR VVPKGKGEQI AREHGIRFFE TSAKANINIE KAFLTLAEDI LRKTPVKEPN SENVDISSGG GVTGWKSKCC

General References

Chen Y. et al. (2012) J Cell Biol. 198:545-560.
Sano H. et al. (2011) J Biol Chem. 286:16541-16545.

DATA

SDS-PAGE



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