Recombinant human RAB2A protein

Catalog Number: ATGP1098

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-212aa

UniProt No.
P61019

NCBI Accession No.
NP_002856.1

Alternative Names
Ras-related protein Rab-2A, RAB2, RAB2A member RAS oncogene family

PRODUCT SPECIFICATION

Molecular Weight
26.1 kDa (236aa) confirmed by MALDI-TOF

Concentration
0.5mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 20% glycerol, 100mM NaCl

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
RAB2A (Ras-related protein Rab-2A) belongs to the small GTPase superfamily. Members of the RAB protein family are nontransforming monomeric GTP-binding proteins of the Ras superfamily that contain 4 highly conserved regions involved in GTP binding and hydrolysis. RAB proteins are also an integral part of endocytic pathways. RAB2A and RAB2B are required for protein transport from the ER to the Golgi, RAB2A is lipid-anchored to the ER-Golgi intermediate compartment membrane while RAB2B is lipid anchored to the cytoplasmic side of the cell membrane. RAB2A has been shown to interact with GOLGA2. Recombinant human RAB2A protein, fused

Recombinant human RAB2A protein

Catalog Number: ATGP1098

to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

Amino acid Sequence

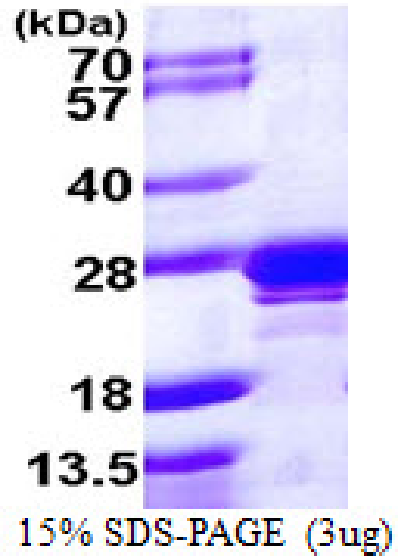
<MGSSHHHHHH SSGLVPRGSH MGSH>MAYAYL FKYIIIGDTG VGKSCLLLQF TDKRFQPVHD LTIGVEFGAR MITIDGKQIK LQIWDTAGQE SFRSITRSYY RGAAGALLVY DITRRDTFNH LTTWLEDARQ HSNSNMVIML IGNKSDLESR REVKKEEGEA FAREHGLIFM ETSAKTASNV EEAFINTAKE IYEKIQEGVF DINNEANGIK IGPQHAATNA THAGNQGGQQ AGGGCC

General References

Opdam, F.J., et al. (2000) Eur. J. Cell Biol. 79: 308-316.
Tisdale E.J. (2003) J. Biol. Chem. 278:52524-52530

DATA

SDS-PAGE



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