

AR39038PU-N

Human RAB2A (1-212, His-tag) - Purified

Alternate names:

RAB2, Ras-related protein Rab-2A

Quantity:

0.1 mg

Concentration:

0.5 mg/ml (determined by Bradford assay)

Background:

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.

Uniprot ID:

[P61019](#)

NCBI:

[NP_002856](#)

GeneID:

[5862](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >90%

Buffer System: 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 20% glycerol, 100mM NaCl

Description:

Recombinant human RAB2A protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

AA Sequence:

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

Molecular weight: 26.1 kDa (236aa), confirmed by MALDI-TOF

Storage:

Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer.

Avoid repeated freezing and thawing.

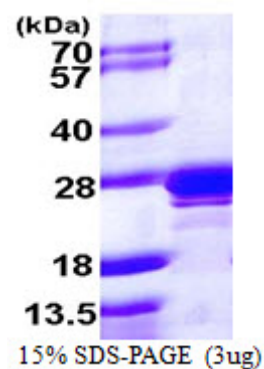
Shelf life: one year from despatch.

General Readings:

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

Tisdale E.J. (2003) J. Biol. Chem. 278:52524-52530.

Pictures:



Recombinant human RAB2A, 1-212aa, His-tagged

