

AR09466PU-L

Human RAB27A / RAB27 (1-221, His-tag) - Purified

Alternate names:

GTP-binding protein Ram, RAB-27, Ras-related protein Rab-27A

Quantity:

0.5 mg

Concentration:

1.0 mg/ml (determined by Bradford assay)

Background:

Ras-related protein Rab-27A, also known as RAB27A, belongs to the small GTPase superfamily, Rab family. The protein is membrane-bound and may be involved in protein transport and small GTPase mediated signal transduction. Also, RAB27A regulates the cytotoxic granule exocytosis and affect T-lymphocyte and macrophage-activation. It is widely expressed with significant expression in pancreatic islets and pituitary tissue, and low expression in brain. Defects in RAB27A cause Griscelli syndrome type 2 (GS2).

Uniprot ID:

[P51159](#)

NCBI:

[NP_899059](#)

GeneID:

[5873](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >90% by SDS-PAGE

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

Description:

Recombinant human RAB27A, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

AA Sequence:

MGSSHHHHHH SSGLVPRGSH MSDGDYDYLI KFLALGDSGV GKTSVLYQYT DGKFNSKFIT
TVGIDFREKR VVYRASGPDG ATGRGQRIHL QLWDTAGQER FRSLTTAFFR DAMGFLLLFD
LTNEQSFLNV RNWISQLQMH AYCENPDIVL CGNKSLEDQ RRVKEEEAIA LAEKYGIPYF
ETSAANGTNI SQAIEMLLDL IMKRMERCVD KSWIPEGVVR SNGHASTDQL SEEKEKGACG C

Molecular weight: kDa (241 aa), 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.

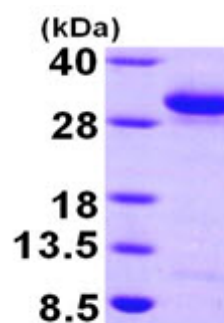
Shelf life: one year from despatch.

General Readings:

Kuroda TS., et al. (2002) J Biol Chem. 277(11):9212-8.

Barral DC., et al. (2002) J Clin Invest. 110:61-5.

Pictures:



15% SDS-PAGE (3ug)

Recombinant human RAB27A, 1- 221 aa,
His-tagged: 15% SDS-PAGE (3 ug)

