Recombinant human RAB27A protein

Catalog Number: ATGP0556

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-221aa

UniProt No.
P51159

NCBI Accession No.
NP_899059

Alternative Names
Ras-related protein Rab-27A, GS2, RAM, RAB27, Ras-related protein Rab-27A GTP-binding protein Ram, HsT18676.MGC117246, Rab-27, RAB27A, member RAS oncogene family, Ras-related protein Rab27A.

PRODUCT SPECIFICATION

Molecular Weight
27 kDa (241aa) confirmed by MALDI-TOF

Concentration
1mg/ml (determined by Bradford assay)

Formulation
Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 20% glycerol

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
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). Recombinant human RAB27A,

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

Amino acid Sequence

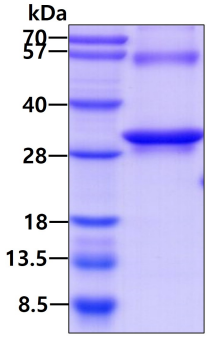
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General References

Kuroda TS., et al. (2002) J Biol Chem. 277(11):9212-8.
Barral DC., et al. (2002) J Clin Invest. 110:61-5.

DATA

SDS-PAGE



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