

Recombinant Human RAB27A, His-tagged

Cat. No. RAB27A-2479H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human RAB27A, fused to His-tag at N-terminus, was expressed in <i>E.coli</i> and purified by using conventional chromatography techniques. MW = 27 kDa (241 aa).
Species	Human
Source	E.coli
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).
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 20% glycerol.
Purity	> 90% by SDS – PAGE.
Concentration	1 mg/ml (determined by Bradford assay).
Sequences Of Amino Acids	MGSSHHHHHH SSGLVPRGSH MSDGDYDYLI KFLALGDSGV GKTSVLYQYT DGKFN SKFIT TVGIDFREKR VVYRASGPDG ATGRGQRIHL QLWDTAGQER FRSLTFAFFR DAMGFLLLFD LTNEQSFLNV RNWISQLQMH AYCENPDIVL

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CGNKSDLEDQ RVVKEEEAIA LAEKYGIPYF E TSAANGTNI SQAIEMLLDL
IMKRMERCVD KSWIPEGVVR SNGHASTDQL SEEKEKGACG C.

Storage

Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION

Gene Name

RAB27A RAB27A, member RAS oncogene family [Homo sapiens]

Synonyms

RAB27A, member RAS oncogene family; GS2; RAM; RAB27; HsT18676;
MGC117246; RAB27A; ras-related protein Rab-27A; rab-27; GTP-binding protein
Ram; Ras-related protein Rab-27A; Rab-27

Gene ID

5873

mRNA Refseq

NM_004580

Protein Refseq

NP_004571

MIM

603868

UniProt ID

P51159

**Chromosome
Location**

15q15-q21.1

Pathway

Diabetes pathways

Function

GTP binding; GTPase activity; myosin V binding; nucleotide binding; protein binding

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