

Active Recombinant Rat RAB27A, Member RAS Oncogene Family, GST-tagged

Cat. No. Rab27a-1107R Lot. No. (See product label)

SPECIFICATION

Product Overview

Species	Rat
Source	E.coli
Description	Rab27 is a small GTPase that belongs to the Ras superfamily. Rab proteins play an important role in various aspects of membrane traffic, including cargo selection, vesicle budding, vesicle motility, tethering, docking, and fusion. The monomeric GTPase Rab27 subfamily regulates the exocytosis of these cell-specific store organelles. Rab27 acts through organelle-specific effector proteins, such as granuphilin in pancreatic beta cells and melanophilin in melanocytes. The Rab27 and effector complex then interacts with proteins that are essential for membrane transport and fusion. The GST-Tag facilitates the protein's application in typical GST pull-down assays.
Usage	For in vitro use only.
Form	Liquid. Supplied in 25 mM HEPES pH 7.2, 200 mM NaCl, 10 mM MgCl ₂ , 10 µM GDP, 2 mM DTE and 10% glycerol.
Activity	100 pmol of protein can bind > 80 pmol of GDP.
Purity	≥ 90% by SDS-PAGE.

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Storage Quality guaranteed for 12 months, store at -80°C. Avoid freeze / thaw cycles.

GENE INFORMATION

Gene Name Rab27a RAB27A, member RAS oncogene family [Rattus norvegicus]

Synonyms Rab27a; RAB27A, member RAS oncogene family; ram; MGC112618; low Mr GTP-binding protein

Gene ID 50645

mRNA Refseq NM_017317

Protein Refseq NP_059013

UniProt ID P23640

Function GTP binding; myosin V binding; nucleotide binding; protein binding

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