Active Recombinant Rat RAB27A, Member RAS Oncogene Family

Cat. No. Rab27a-1106R **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.
Usage	For in vitro use only.
Form	Liquid. Supplied in 25 mM HEPES pH 7.2, 200 mM NaCl, 10 mM MgCl2, 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℃. 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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