

Active Recombinant Rat Rab27a Protein

Cat. No. Rab27a-714R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Rab27a protein (P23640) was expressed in E. coli.
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.
Form	50 mM Tris-HCl pH 8.0, 100 mM NaCl, 10 mM MgCl ₂ , 10 µM GDP and 2 mM mercaptoethanol
Bio-activity	100 pmol of protein can bind > 80 pmol of GDP.
Purity	> 90 % (SDS-PAGE)
Storage	Store at -80 centigrade, avoid freeze/thaw cycles.

GENE INFORMATION

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Gene Name	Rab27a RAB27A, member RAS oncogene family [Rattus norvegicus]
Official Symbol	Rab27a
Synonyms	ram
Gene ID	50645
mRNA Refseq	NM_017317.2
Protein Refseq	NP_059013.1
UniProt ID	P23640

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