

Rab27a

Recombinant Rat Ras-related protein Rab-27A, GST-His-tag, Active

Catalog No.	CSI13588	Quantity:	50 µg
Alternate Names:	Ras-associated, small GTP-binding protein, Rab27a		
Description:	<p>N-terminal tagged 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.</p> <p>The GST-Tag facilitates the protein's application in typical GST pull-down assays.</p>		
UniProt ID:	P23640		
Gene ID:	50645		
Source:	<i>E. coli</i>		
Molecular Weight:	54 kDa		
Formulation:	25 mM HEPES, 200 mM NaCl, 10 mM MgCl ₂ , 10 µM GDP, 2 mM DTE, pH 7.2 and 10% glycerol		
Purity:	> 90% by SDS-PAGE		
Activity:	100 pmol of protein can bind > 80 pmol of GDP.		
Storage & Stability:	Store for up to 1 year at -80°C. Upon initial thaw, prepare aliquots and store at -80°C. Avoid repeated freeze-thaw cycles.		

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