

Active Recombinant Rat RAB1B Protein, GST/His-tagged

Cat. No. RAB1B-706R Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Rat RAB1B protein (X13905) was expressed in E. coli with GST-His tag.
Species	Rat
Source	E.coli
Description	Rab1B 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. For example, Rab1A (cat.# PR-113), Rab1B, and Rab2 (cat.# PR-111, PR-112) are located in the ER to Golgi intermediate compartment and cis Golgi cisternae and are required for ER to Golgi and intra Golgi transport. The GST-Tag facilitates the protein's application in typical GST pull-down assays.
Form	50 mM Tris-HCl pH 8.0, 200 mM NaCl, 2 mM MgCl ₂ , 10 µM GDP and 2 mM beta-mercaptoethanol
Bio-activity	100 pmol of protein can bind > 80 pmol of GDP.
Molecular Mass	52 kDa
Purity	> 90 % (SDS-PAGE)
Storage	Store at -80 centigrade, avoid freeze/thaw cycles.

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GENE INFORMATION

Gene Name	Rab1b RAB1B, member RAS oncogene family [Rattus norvegicus]
Official Symbol	RAB1B
Synonyms	RAB1B
Gene ID	81876
mRNA Refseq	NM_030981.2
Protein Refseq	NP_112243.1
MIM	612565
UniProt ID	Q9H0U4

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