Active Recombinant Rat RAB5A, Member RAS Oncogene Family

Cat. No. Rab5a-1115R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Rat
Source	E.coli
Description	Rab5A 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 small Rab5A GTPase is localized to plasma membrane, clathrin coated vesicles, caveosomes and early endosomes. Rab5 is a key regulator of the early endocytic pathway and plays a role in early endosome fusion and caveolar vesicle targeting to early endosomes. Furtermore it is also implicated in EGF receptor activation and apoptotic cell engulfment.
Usage	For in vitro use only.
Form	Liquid. Supplied in 50 mM Tris-HCl pH 8.0, 100 mM NaCl, 10 mM MgCl2, 10 μM GDP and 2 mM mercaptoethanol.
Activity	100 pmol of protein can bind > 80 pmol of GDP.
Purity	≥ 90% by SDS-PAGE.

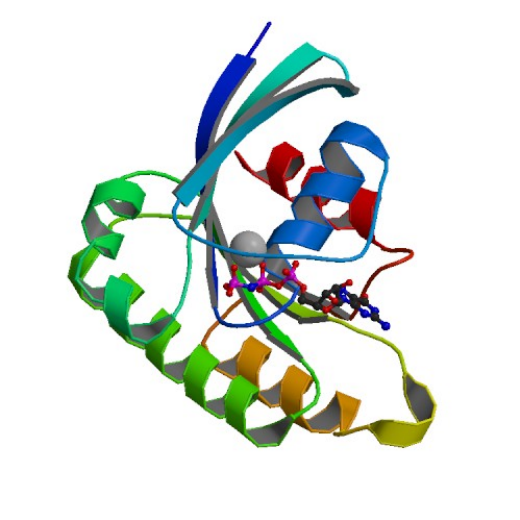
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Storage	Quality guaranteed for 12 months. Store at -80℃. Avoid freeze / thaw cycles.

GENE INFORMATION

Gene Name	Rab5a RAB5A, member RAS oncogene family [Rattus norvegicus]
Synonyms	Rab5a; RAB5A, member RAS oncogene family
Gene ID	64633
mRNA Refseq	NM_022692
Protein Refseq	NP_073183
UniProt ID	O88565
Chromosome Location	9q11
Pathway	Endocytosis; Amyotrophic lateral sclerosis (ALS)
Function	GTP binding; GTPase activity; nucleotide binding; protein binding; GDP-dissociation inhibitor binding; guanyl nucleotide binding

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