

Active Recombinant Mouse RAB18, Member RAS Oncogene Family, GST-tagged

Cat. No. Rab18-1099M **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Mouse
Source	E.coli
Description	Rab18A 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. Rab18A is localized in dense apical tubules (kidney) and basolateral membrane (intestine) as well as lipid droplets in ER and neuroendocrine secretory granules. The enzyme is involved in the formation of lipid droplets from ER. Furthermore it is a negative regulator of neuroendocrine secretion. The GST-Tag facilitates the protein's application in typical GST pull-down assays.
Usage	For in vitro use only.
Form	Liquid. Supplied in 50 mM Tris-HCl, pH 8.0, 100 mM NaCl, 10 mM MgCl ₂ , 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°C. Avoid freeze / thaw cycles.
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GENE INFORMATION

Gene Name	Rab18 RAB18, member RAS oncogene family [Mus musculus]
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Synonyms	Rab18; RAB18, member RAS oncogene family; AA959686
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Gene ID	19330
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mRNA Refseq	NM_181070
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Protein Refseq	NP_851415
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UniProt ID	P35293
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Function	GTP binding; nucleotide binding
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