

**Rab32**

Ras-associated, small GTP-binding protein
human, recombinant, *E. coli*

Cat. No.	Amount
PR-194	50 µg

For general laboratory use.

Shipping: shipped on dry ice

Storage Conditions: store at -80 °C

Additional Storage Conditions: avoid freeze/thaw cycles

Shelf Life: 12 months

Accession number: NP_006825

Purity: > 90 % (SDS-PAGE)

Form: liquid (Supplied in 25 mM Hepes pH 7.2, 40 mM NaCl, 2 mM MgCl₂, 10 µM GDP and 1 mM β-mercaptoethanol)

Description:

Rab32 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. Rab 32 is localized in perinuclear vesicles and mitochondria and regulates melanosome transport and mitochondrial fission. It may participate in adaptation to changing energy requirements during growth.

Activity:

100 pmol of protein can bind > 80 pmol of GDP.

Selected References:

Stenmark *et al.* (2001) The Rab GTPase family. *Genome Biol.* **2**:30071.

Yamaguchi *et al.* (2002) A GDP/GTP exchange protein for the Rab3 small G protein family up-regulates a postdocking step of synaptic exocytosis in central synapses. *Proc. Natl. Acad. Sci. USA.* **99**:14536.