

**Rab6A**

Member of Ras oncogene family
human, recombinant, *E. coli*

Cat. No.	Amount
PR-109	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

Molecular Weight: 23.6 kDa

Accession number: AF498939

Purity: > 90 % (SDS-PAGE)

Form: liquid (Supplied in 40 mM TRIS pH 7.2, 1 mM MgCl₂, 40 mM NaCl, 20 µM GDP, 5 mM DTT)

Description:

Rab6A is a small GTPase that belongs to the Ras superfamily. It mediates intra-Golgi vesicular trafficking and is geranylgeranylated on both C-terminal cysteines.

Amino Acid Sequence: MSTGGDFGNP LRFKLVFLG EQSVGKTSLI TRFMYSFDN TYQATIGIDF LSKTMYLEDR TVRLQLWDTA GQERFRSLIP SYIRDSTVAV VYDITNVNS FQQTTKWIDD VRTERGSDVI IMLVGNKTDL ADKROVSIEE GERKAKELNV MFIETSAKAG YNVKQLFRRV AAALPGMEST QDRSREDMID IKLEKPEQP VSEGGCSC

Activity:

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

Selected References:

Feldmann *et al.* (1995) Behaviour of the small GTP-binding protein rab6 in the liver of normal rats and rats presenting an acute inflammatory reaction. *Biol. Cell* **83**:121.

Beranger *et al.* (1994) The effector domain of Rab6, plus a highly hydrophobic C terminus, is required for Golgi apparatus localization. *Mol. Cell. Biol.* **14**:744.

Chamberlain *et al.* (2004) The p85alpha Subunit of Phosphatidylinositol 3'-Kinase Binds to and Stimulates the GTPase Activity of Rab Proteins. *J. Biol. Chem.* **279** (47):48607.