

RAB4A(Q67L) PROTEIN**Rab4A(Q67L) Mutant****Cat. #:** 10131**Product Name:** Rab4A Protein Q67L mutant**Synonyms:** Member RAS oncogene family, RAB4, HRES-1/RAB4**Source:** Human, recombinant full length, His6-tag**Expression Host Species:** E. coli**Molecular Weight:** 24 kDa**Purity:** >95% by SDS-PAGE

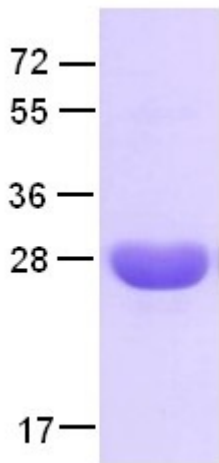
Introduction: The Rab family of Ras-related GTP-binding protein Rab4 is involved in bidirectional sarcolemmal-vesicular Adrb2 trafficking, which occurs continuously in healthy hearts and is necessary for normal baseline adrenergic responsiveness and resensitization after catecholamine exposure.

Amino Acid Sequence (1-213, Q67L)

**MSETYDFLFKFLVIGNAGTGKSCLLHQFIEKKFKDDSNHTIGVEFGSKIINVGGKYVKLQIWDTAGL
ERFRSVTRSYRGAAGALLVYDITSRETYNALTNWLT DARM LASQNIIVILCGNKKDL DADREVTF L
EASRFAQENELMFLETSALTGENVEEAFVQCARKILNKIESGELDPERMGSGIQYGDAALRQLRSPRRA
QAPNAQECGC**

Properties**Physical Appearance (form):** Dissolved in 20mM Tris-HCl, pH8.0, 150mM NaCl.**Physical Appearance (form):** White or clear**Concentration:** 1 mg/mL**Storage:** -80°C**Preparation Instructions:**

Centrifuge the vial before open the cap and reconstitute in water. Adding of 10 mM β -mercaptoethanol or 1 mM DTT into the solution to protect the protein is recommended and using of non-ionic detergents such as n-Dodecyl β -D-maltoside (DoDM) or polyethylene detergents (e.g. C12E10) also help to stabilize the protein. Avoid repeated freezing and thawing after reconstitution. The purity of His-tagged Rab4A Q67L was determined by SDS-PAGE and Coomassie Brilliant Blue Staining.

**References:**

1. Barbosa, M. D. F. S. et al., Genomics 30: 439-444, 1995.
2. Odley, A. et al., Proc. Nat. Acad. Sci. 101: 7082-7087, 2004.
3. Rousseau-Merck, M.-F. et al., Hum. Genet. 86: 350-354, 1991.
4. Zahraoui, A. et al., J. Biol. Chem. 264: 12394-12401, 1989.