

## 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  
ERFRSVTRSYYRGAAGALLVYDITSRETYNALTNWLT DARM LASQNIIVILCGNKKDL DADREVTFL  
EASRFAQENELMFLETSALTGENVEEAFVQCARKILNKIESGELDPERMGSGIQYGDAALRQLRSPRRA  
QAPNAQECGC**

#### Properties

**Physical Appearance (form):** Dissolved in 20mM Tris-HCl, pH8.0, 150mM NaCl.

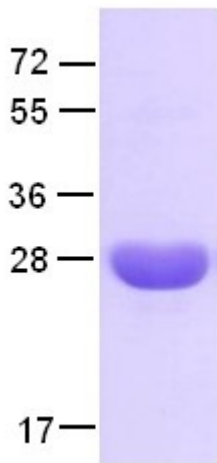
**Physical Appearance (form):** White or clear

**Concentration:** 1 mg/mL

**Storage:** -80°C

#### Preparation Instructions:

Centrifuge the vial before open the cap and reconstitute in water. Adding of 10 mM  $\beta$ -mercaptoethanol or 1 mM DTT into the solution to protect the protein is recommended and using of non-ionic detergents such as n-Dodecyl  $\beta$ -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.