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Product Description

Product Name: Rab4A Protein Q67L mutant
Synonyms: Member RAS oncogene family, RAB4, HRES-1/RAB4
Catalogue Number: 10131
Source: Human, recombinant full length, His₆-tag
Expression Host: E. coli
Molecular Weight: 24 kDa
Purity: >99% 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)

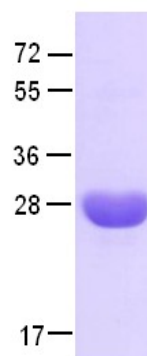
MSETYDFLFKFLVIGNAGTGKSCLLHQFIEKKFKDDSN
HTIGVEFGSKIINVGGKYVKLQIWDTAGL^LERFRSVTRS
YYRGAAGALLVYDITSRETYNALTNWLTDARMLASQNI
VIILCGNKKDLADREVTFLASRFAQENELMFLETS
LTGENVEEAFVQCARKILNKIESGELDPERMGSGIQYG
DAALRQLRSPRRAQAPNAQECGC

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

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.



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.

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