

Rab3A(Q81L) Mutant

Catalogue Number: 10129

Synonyms: Member RAS oncogene family

Background: The Rab3 small G protein family consists of four members, Rab3A, -3B, -3C, and -3D. Rab3A is found specifically in brain and regulates a late step in synaptic vesicle fusion. Rab3A-mediated synaptic transmission is involved in circadian period and sleep homeostasis.

Amino Acid Sequence: (1-220, Q81L)

MASATDSRYGQKESDQNFDMFKILIIGNSSVGK
TSFLFRYADDSFTPAFVSTVGIDFKVKTIYRNDKRI
KLQIWDTAGLERYRTITTAYYRGAMGFILMYDITN
EESFNAVQDWSTQIKTYSWDNAQVLLVGNKCDM
EDERVVSSERGRQLADHLGFEFFEASAKDNINVKQ
TFERLVDVICEKMSSELDTADPAVTGAKQGPQLS
DQQVPPHQDCAC

Source: Human, recombinant full length, His₆-tag

Expression Host: E. coli

Molecular Weight: 25 kDa

Purity: >99% by SDS-PAGE

Constituents: 20 mM Tris-HCl, pH8.0, 150 mM NaCl.

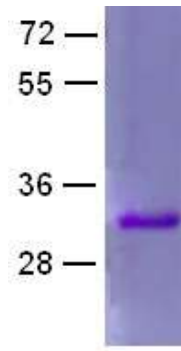
Physical Appearance: White or clear

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 Rab3A(Q81L) was determined by SDS-PAGE and Coomassie Brilliant Blue Staining.

References

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