

RAB3A(Q81L) PROTEIN

Rab3A(Q81L) Mutant

Cat. #: 10129

Product Name: Rab3A Protein Q81L mutant

Synonyms: Member RAS oncogene family

Source: Human, recombinant full length, His6-tag

Expression Host Species: E. coli

Molecular Weight: 25 kDa

Purity: >95% by SDS-PAGE

Introduction: 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)

**MASATDSRYGQKSSDQNFDFYMFKILIIGNSSVGKTSFLFRYADDSFTPAFVSTVGIDFKVKTIYRN
DKRIKLQIWDTAGLERYRTITTAYYRGAMGFILMYDITNEESFNAVQDWSTQIKTYSWDNAQVLLVG
NKCDMEDERVVSSERGRQLADHLGFEFFEASAKDNINVKQTFERLVDVICEKMSESLDTADPAVTGAKQ
GPQLSDQQVPPHQDCAC**

Properties

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

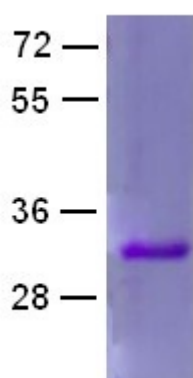
Physical Appearance (form): White or clear

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



References:

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4. Kapfhamer, D. et al., Nature Genet. 32: 290–295, 2002.
5. Rousseau-Merck, M. F. et al., Genomics 5: 694–698, 1989.
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9. Zahraoui, A. et al., J. Biol. Chem. 264: 12394–12401, 1989.