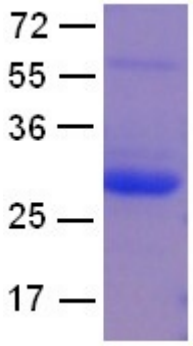
RAN(Q69L) PROTEIN

Ran(Q69L) Mutant

Cat. #: 10113
Product Name: Ran Protein Q69L mutant
Synonyms: Ras-related nuclear protein, TC4, Gsp1, ARA24
Source: Human, recombinant full length, His6-tag
Expression Host Species: E. coli
Molecular Weight: 24 kDa
Purity: >95% by SDS-PAGE
Introduction: Ran is a member of the Ras-superfamily GTPases. Ran is invovled in control of DNA synthesis and of cell cycle progression, and the transport of proteins across the nuclear envelope, as well as in microtubule organization during mitosis.
Amino Acid Sequence (1-216, Q69L)
MAAQGEPQVQFKLVLVGDGGTGKTTFVKRHLTGEFEKKYVATLGVEVHPLVFHTNRGPIKFNVWDTA GLEKFGGLRDGYYIQAQCAIIMFDVTSRVTYKNVPNWHRDLVRVCENIPIVLCGNKVDIKDRKVKAK SIVFHRKKNLQYYDISAKSNYNFEKPFLWLARKLIGDPNLEFVAMPALAPPEVVMDPALAAQYEHDLE VAQTTALPDEDDDL
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 Ran Q69L was determined by SDS-PAGE and Coomassie Brilliant Blue Staining.



References:
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