



— A helping hand for your research

Product Description

Product Name: Ran Protein

Synonyms: Ras-related nuclear protein, TC4, Gsp1, ARA24

Catalogue Number: 10112

Source: Human, recombinant full length, His₆-tag

Expression Host: E. coli

Molecular Weight: 24 kDa

Purity: >95% by SDS-PAGE

Introduction: Ran is a member of the Ras-superfamily GTPases. Ran is involved 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)

MAAQGEPQVQFKLVLVGDGGTGTKTTFVKRHLTGFEFEKK
YVATLGVEVHPLVFHTNRPPIKFNVWDTAGQEKFGGLR
DGYIQAQCAIIMFDVTSRVTYKNVNPWHRDLVRVCEN
IPIVLCGNKVDIKDRKVKAKSIVFHRKKNLQYYDISAK
SNYNFEKPFLLWLARKLIGDPNLEFVAMPALAPPEVVMD
PALAAQYEHDLVAQTALPDEDDDL

Properties

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

Physical Appearance (form): White or clear

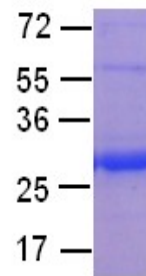
Concentration: 1 mg/mL

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 Ran was determined by



SDS- PAGE and Coomassie Brilliant Blue Staining.

References

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