

## RAN PROTEIN

产品名称: Ran 蛋白

货号 10112

产品全名: Ran 蛋白

基因符号 Ras-related nuclear protein, TC4, Gsp1, ARA24

**Source:** Human, recombinant full length, His6-tag

**Expression 种属反应性:** E. coli

分子量: 24 kDa

纯化: >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)**

MAAQGEPQVQFKLVLVGDDGGTKTTFVKRHLTGEFEKKYVATLGVEVHPLVFHTNRGPIKFNVWDTA  
GQEKFGGLRDGYIQAQCAIIMFDVTSRVTYKNVPNWHRDLVRVCENIPIVLCGNKVDIKDRKVKAK  
SIVFHRKKNLQYYDISAKSNYNFEKPFLWLARKLIGDPNLEFVAMPALAPPEVVM DPALAAQYEHDL  
VAQTTALPDEDDDL

### Properties

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

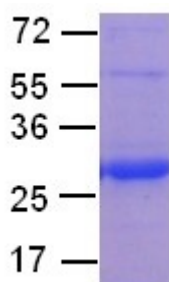
**Physical Appearance (form):** White or clear

**Concentration:** 1 mg/mL

**Storage:** -80°C

### Preparation Instructions:

Centrifuge the vial before open the cap and reconstitute in water. Adding of 10 mM  $\beta$ -mercaptoethanol or 1 mM DTT into the solution to protect the protein is recommended and using of non-ionic detergents such as n-Dodecyl  $\beta$ -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 was determined by SDS- PAGE and Coomassie Brilliant Blue Staining.



### References:

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5. Monecke, T. et al., Science 324: 1087-1091, 2009.
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7. Seewald, M. J. et al., Nature 415: 662-666, 2002.
8. Smith, A. E. et al., Science 295: 488-491, 2002.
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