



— A helping hand for your research

## Product Description

**Product Name:** RalB Protein

**Synonyms:** v-ral simian leukemia viral oncogene homolog B

**Catalogue Number:** 10169

**Source:** Human, recombinant full length, His<sub>6</sub>-tag

**Expression Host:** E. coli

**Molecular Weight:** 23 kDa

**Purity:** >99% by SDS-PAGE

**Introduction:** The Ras-like small G proteins, RalA/B, are important components of Ras signaling pathways, implicated in the initiation and maintenance of tumorigenic transformation, as well as vesicle transport, apoptosis, transcription, cell migration, and cell proliferation.

### Amino Acid Sequence (1-206)

MAANKSKGQSSALHVKVIMVGGVGGKSALTTLQFMYDE  
FVEDYEPTKADSYRKKVVLVDGEEVQIDILDTAGQEDYA  
AIRDNYFRSGEGFLLVFSITEHESFTATAEFREQILRV  
KAEEKIPLLVGNKSDLEERRQVPVEEARSKAEEWGV  
QYVETSAKTRANVDKVFDFLMREIRTKKMSENKDKNGK  
KSSKNKKSFKERCCLL

### Properties

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

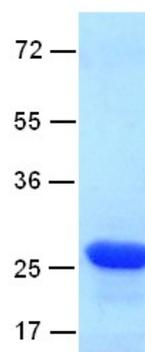
**Physical Appearance (form):** White or clear

**Concentration:** 1 mg/mL

**Storage:** -80°C

### Preparation Instructions

Adding of 10 mM  $\beta$ -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. C<sub>12</sub>E<sub>10</sub>) also help to stabilize the protein. Avoid repeated freezing and thawing.



The purity of His-tagged RalB was determined by SDS-PAGE and Coomassie Brilliant Blue Staining.

### References

1. Chien, Y. et al., Cell 127: 157-170, 2006.
2. Hsieh, C.-L. et al., Somat. Cell Molec. Genet. 16: 407-410, 1990

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