

**Product Name:** RalB Protein Q72L mutant

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

**Catalogue Number:** 10170

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

**Expression Host:** E. coli

**Molecular Weight:** 23 kDa

**Purity:** >95% 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, Q72L)

MAANKSKGQSSSLALHKVIMVGGVGVGKSALTLQFMYDE  
FVEDYEPTKADSYRKKVVLVDGEEVQIDILDTAGLEDYA  
AIRDNYFRSGEGFLLVFSITEHESFTATAEFREQILRV  
KAEDDKIPLLVGNKSDLEERRQVPVEEARSKAEWGV  
QYVETSAKTRANVDKVFDFLMREIRTKKMSENKDKNGK  
KSSKNKKSFKERCCLL

#### Properties

**Physical Appearance (form):** Lyophilized Powder  
from 20 mM Tris-HCl, pH 7.4, containing 100 mM NaCl.

**Physical Appearance (color):** White

**Solubility (Color):** colorless

**Solubility (Turbidity):** clear, 10 mg/mL H<sub>2</sub>O

**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. C<sub>12</sub>E<sub>10</sub>) also help to stabilize the protein. Avoid repeated freezing and thawing after reconstitution.



#### 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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