

## RAB5 PROTEIN, $\Delta$ N15

### Rab5( $\Delta$ N15) Protein

**Cat. #:** 10116

**Product Name:** Rab5 Protein

**Synonyms:** Member RAS oncogene family, RAB5A

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

**Expression Host Species:** E. coli

**Molecular Weight:** 17 kDa

**Purity:** >95% by SDS-PAGE

**Introduction:** Rab5, consists of three isoforms, Rab5A, Rab5B, and Rab5C, is a small GTPase that is localized to early endosomes. It regulates the fusion between endocytic vesicles and early endosomes, as well as the homotypic fusion between early endosomes.

**Amino Acid Sequence** (16-184)

**NKICQFKLVLLGESAVGKSSLVLRVFKGQFHEFQESTIGAAFLTQTVCLDDTTVKFEIWDTAGQERY  
HSLAPMYRGAQAIVVYDITNEESFARAKNWKELQRQASPNIVIALSGNKADLANKRAVDFQEAQ  
SYADDNSLLFMETSAKTSMNVNEIFMAIAKKLPKN**

#### Properties

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

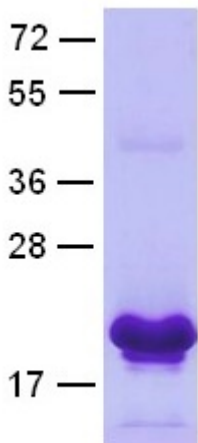
**Physical Appearance (form):** White or clear

**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 Rab5 was determined by SDS- PAGE and Coomassie Brilliant Blue Staining



## References:

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