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## Product Description

**Product Name:** Rab5 Protein, ΔN15

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

**Catalogue Number:** 10116

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

**Expression Host:** E. coli

**Molecular Weight:** 17 kDa

**Purity:** >98% 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)

NKICQFKLVLLGESAVGKSSLVLRVFKGQFHEFQESTI  
GAAFLTQTVCLDDTTVKFEIWDTAGQERYHSLAPMYR  
GAQAAIVVYDITNEESFARAKNWVKELQRQASPNIVIA  
LSGNKADLANKRAVDFQEAQSYADDNSLLFMETSAKTS  
MNVNEIFMAIAKKLKPN

### Properties

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

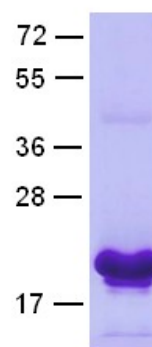
**Physical Appearance (form):** White or clear

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



The purity of His-tagged Rab5 was determined by SDS-PAGE and Coomassie Brilliant Blue Staining.

### References

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