

RAB35(Q67L) PROTEIN**Rab35(Q67L) Mutant****Cat. #:** 10133**Product Name:** Rab35 Protein Q67L mutant**Synonyms:** Member RAS oncogene family, RAY, H-ray, RAB1C**Source:** Human, recombinant full length, His6-tag**Expression Host Species:** E. coli**Molecular Weight:** 23 kDa**Purity:** >95% by SDS-PAGE

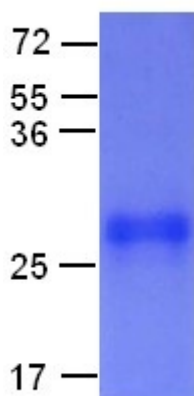
Introduction: The Ras super-family of small GTP-binding proteins, which includes the Ras, Ral, Rho, Rap, and Rab families, the Rab family appears to play a critical role in regulating exocytotic and endocytotic pathways. RAB35 regulates the assembly of actin filaments during bristle development in Drosophila and filopodia formation in cultured cells.

Amino Acid Sequence (1-201, Q67L)

MARDYDHLFLKLLIIGDSGVGKSSLLLRFADNTFSGSYITTIGVDFKIRTVEINGEKVKLQIWDTAGL
ERFRTITSTYYRGTHGVIVVYDVTSAESFVNVRWLHEINQNCDDVCRILVGKNKNDPPERKVVETED
AYKFAGQMGIQLFETSAKENVNVEEMFNCITELVLRAKKDNLAKQQQQQNDVVKLTKNKRKRCC

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 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. C12E10) also help to stabilize the protein. Avoid repeated freezing and thawing after reconstitution. The purity of His-tagged Rab35 QL was determined by SDS-PAGE and Coomassie Brilliant Blue Staining.

**References:**

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1. Zhang, J. et al., Science 325: 1250-1254, 2009.
2. Zhu, A. X. et al., Biochem. Biophys. Res. Commun. 205: 1875-1882, 1994.