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Product Description

Product Name: Rab35 Protein Q67L mutant

Synonyms: Member RAS oncogene family, RAY, H-ray, RAB1C

Catalogue Number: 10133

Source: Human, recombinant full length, His₆-tag

Expression Host: E. coli

Molecular Weight: 23 kDa

Purity: >98% 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)

MARDYDHLFKLLLIIGDSGVGKSSLLLRFDNTFSGSYI
TTIGVDFKIRTVEINGEKVKLQIWDTAGLERFRTITST
YYRGTHGVIIVVYDVTSAESFVNVKRWLHEINQNCDDVC
RILVGNKNDDPERKVVETEDAYKFAGQMGIQLFETSAK
ENVNVEEMFNCITELVLRAKKDNLAKQQQQQNDVVKL
TKNSKRKKRCC

Properties

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

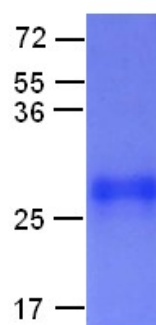
Physical Appearance (form): White or clear

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. C₁₂E₁₀) also help to stabilize the protein. Avoid repeated freezing and thawing.



The purity of His-tagged Rab35 QL was determined by SDS-PAGE and Coomassie Brilliant Blue Staining.

References

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

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