

RAB5(Q79L) PROTEIN

产品名称: Rab5(Q79L) 蛋白

货号 10117

产品全名: Rab5 Protein Q79L 突变蛋白

基因符号 Member RAS oncogene family, RAB5A

Source: Human, recombinant full length, His6-tag

Expression 种属反应性: E. coli

分子量: 17 kDa

纯化: >96% 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, Q79L)

NKICQFKLVLLGESAVGKSSLVLRVFKGQFHEFQESTIGAAFLTQTVCLDDTTVKFEIWDTAGLERY
HSLAPMYRGAQAIVVYDITNEESFARAKNWWKELQRQASPNIVIALSGNKADLANKRAVDFQEAQ
SYADDNSLLFMETSAKTSMNVNEIFMAIAKKLKPN

Properties

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

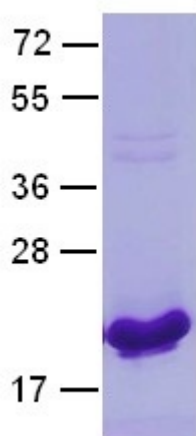
Physical Appearance (form): White or clear

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 Rab5 Q79L was determined by SDS-PAGE and Coomassie Brilliant Blue Staining.



References:

1. Bucci, C. et al., Cell 70: 715-728, 1992.
2. Kinchen, J. M. et al., Nature 464: 778-782, 2010.
3. Kitano, M. et al., Nature 453: 241-245, 2008.
4. Lanzetti, L. et al., Nature 429: 309-314, 2004.
5. Lanzetti, L. et al., Nature 408: 374-377, 2000.
6. Miaczynska, M. et al., Cell 116: 445-456, 2004.
7. Ohya, T. et al., Nature 459: 1091-1097, 2009.
8. Otomo, A. et al., Hum. Molec. Genet. 12: 1671-1687, 2003.
9. Rousseau-Merck, M. F. et al., Hum. Genet. 86: 350-354, 1991.
10. Stenmark, H. et al., Cell 83: 423-432, 1995.
11. Xiao, G.-H. et al., J. Biol. Chem. 272: 6097-6100, 1997.
12. Zahraoui, A. et al., J. Biol. Chem. 264: 12394-12401, 1989.