

ARF6(Δ12Q67L) PROTEIN

产品名称: Arf6(Δ12Q67L) 突变蛋白

货号: 10125

产品全名: Arf6 Protein Δ12Q67L 突变蛋白

基因符号 ADP-ribosylation factor 6

Source: Human, recombinant, His6-tag

Expression 种属反应性: E. coli

分子量: 20 kDa

纯化: >95% by SDS-PAGE

Introduction: Arf6 is a member of the ARF super-family. ARF genes encode small GTPases that increase the ADP-ribosyltransferase activity of cholera toxin and are critical for vesicular trafficking as activators of phospholipase D. Arf6 regulates membrane trafficking and the actin cytoskeleton at the plasma membrane and functions as a regulatory molecule of phagocytosis.

Amino Acid Sequence (1-175, Δ12, Q67L)

**MGKVLISKIFGN-EMRILMLGLDAAGKTTILYKLKLGQSVTTIPTVGFNVETVITYKNVKFNVWDVGGL
DKIRPLWRHYTGTQGLIFVVDCAADRIDEARQELHRIINDREMRDAIILIFANKQDLDPAMKPHE
IQEKLGLTRIRDRNWWYVQPSCATSGDGLYEGLTWLTSNYKS**

Properties

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

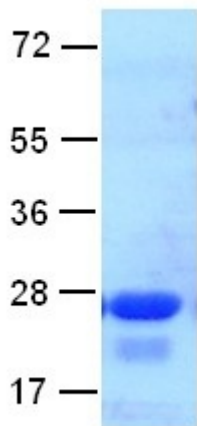
Physical Appearance (form): White or clear

Concentration: 1mg/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 Arf6 Δ12Q67L mutant was determined by SDS-PAGE and Coomassie Brilliant Blue Staining.



References:

1. Cavenagh, M. M. et al., J. Biol. Chem. 271: 21767-21774, 1996.
2. D'Souza-Schorey, C. et al., Science 267: 1175-1178, 1995.
3. Falace, A. et al., Am. J. Hum. Genet. 87: 365-370, 2010.
4. Hernandez-Deviez, D. J. et al., Nature Neurosci. 5: 623-624, 2002.
5. O'Neal, C. J. et al., Science 309: 1093-1096, 2005.