

ARF1(Δ 17Q71L) PROTEIN

产品名称: Arf1(Δ 17Q71L) 突变蛋白

货号: 10123

产品全名: Arf1 Protein Δ 17 Q71L 突变蛋白

基因符号 ADP-ribosylation factor 1

Source: 人 recombinant, His6-tag

Expression 种属反应性: E. coli

分子量: 21 kDa

纯化: >95% by SDS-PAGE

Introduction: Arf1 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. Arf1 protein is localized to the Golgi apparatus and has a central role in intra-Golgi transport.

Amino Acid Sequence (1-181, Δ 17, Q71L)

**MGNIFANLFKGLFGKK-MRILMVGLDAAGKTTILYKLLKLGIVTTIPTIGFNVETVEYKNISFTVWD
VGGLDKIRPLWRHYFQNTQGLIFVVDSDNRERVNEAREELMRMLAEDELRDVLLVFANKQDLPNAM
NAAEITDKLGLHSLRHRNWYIQATCATSGDGLYEGLDWLSNQLRNQK**

Properties

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

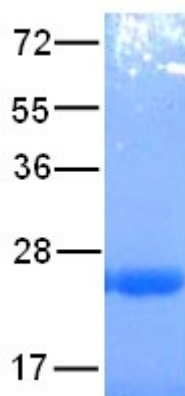
Physical Appearance (form): White or clear

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 Arf1 Δ 17Q71L was determined by SDS-PAGE and Coomassie Brilliant Blue Staining



References:

1. Amor, J. C. et al. Nature 372: 704-708, 1994.

2. Bobak, D. A. et al., Proc. Nat. Acad. Sci. 86: 6101-6105, 1989.
3. Hirai, M. et al., Genomics 34: 263-265, 1996.
4. Kumari, S. et al., Cell Biol. 10: 30-41, 2008.
5. Lee, C.-M. et al., J. Biol. Chem. 267: 9028-9034, 1992.
6. Mossessova, E. et al., Cell 92: 415-423, 1998.
7. Peng, Z. G. et al., Biofactors 2: 45-49, 1989.
8. Presley, J. F. et al., Nature 417: 187-193, 2002.
9. Renault, L. et al., Nature 426: 525-530, 2003.