

ARF1(Δ 17Q71L) PROTEIN

Arf1(Δ 17Q71L) Mutant

Cat. #: 10123

Product Name: Arf1 Protein Δ 17 Q71L mutant

Synonyms: ADP-ribosylation factor 1

Source: Human recombinant, His6-tag

Expression Host Species: E. coli

Molecular Weight: 21 kDa

Purity: >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-MRILMVGLDAAGKTTILYKCLKLGEIVTTIPTIGFNVETVEYKNISFTVWD
VGGLDKIRPLWRHYFQNTQGLIFVDSNDRERVNEAREELMRMLAEDEL RDAVLLVFANKQDLPNAM
NAAEITDKLGLHSLRHRNWYIQATCATSGDGLYEGLDWLSNQLRNQK**

Properties

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

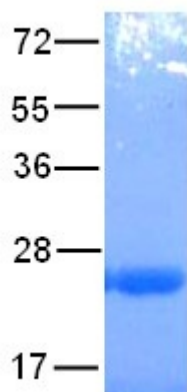
Physical Appearance (form): White or clear

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:

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7. Peng, Z. G. et al., Biofactors 2: 45–49, 1989.
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