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Product Description

Product Name: Arf1 Protein Δ 17 Q71L mutant

Synonyms: ADP-ribosylation factor 1

Catalogue Number: 10123

Source: Human recombinant, His₆-tag

Expression Host: E. coli

Molecular Weight: 21 kDa

Purity: >99% 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)

MGNIFANLFFKGLFGKK-MRILMVGLDAAGKTTILYKLL
LGEIVTTIPTIGFNVETVEYKNISFTVWDVGGLDKIRP
LWRHYFQNTQGLIFVVDSDNRERVNEAREELMRMLAED
ELRDAVLLVFANKQDLPNAMNAEITDKLGLHSLRHRN
WYIQATCATSGDGLYEGLDWLSNQLRNQK

Properties

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

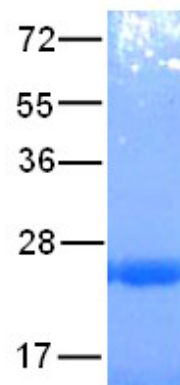
Physical Appearance (form): White or clear

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

References

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