

## ARF1( $\Delta$ 17) PROTEIN

### Arf1( $\Delta$ 17) Protein

**Cat. #:** 10122

**Product Name:** Arf1 Protein  $\Delta$ 17 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,  $\Delta$ 17)

**MGNIFANLFKGLFGKK-MRILMVGLDAAGKTTILYKLLKLGIVTTIPTIGFNVETVEYKNISFTVWD  
VGGQDKIRPLWRHYFQNTQGLIFVVDSDNRERVNEAREELMRMLAEDELRDVLLVFANKQDLPNAM  
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:

Aliquot and store at -80°C. Avoid repeated freeze / thaw cycles.



#### 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.