

## ARL3 PROTEIN

### Arl3 Protein [100 µg]

**Cat. #:** 10152

**Product Name:** Arl3 Protein

**Synonyms:** ADP-ribosylation factor-like 3, ARFL3

**Source:** Human, recombinant full length, His6-tag

**Expression Host Species:** E. coli

**Molecular Weight:** 20 kDa

**Purity:** >95% by SDS-PAGE

**Introduction:** Arl3 belongs to the member of the Arf family of regulatory GTPases, within the Ras superfamily of GTPases. Arl3 is also a member of the ADP-ribosylation factor family of GTP-binding proteins. Arl3 binds guanine nucleotides but lacks ADP-ribosylation factor activity.

**Amino Acid Sequence (1-182)**

**MGLLSILRKLKSAPDQEVRIILLGLDNAGKTTLLKQLASEDISHITPTQGFNIKSVQSQGFKLNVWD  
IGGQRKIRPYWKNYFENDILIIYVIDSADRKRFEETGQELAELEEKLSVLPVLIFANKQDLLTAA  
PASEIAEGLNLHTIRDRVWQIQSCSALTGEGVQDGMNWVCKNVNAKKK**

### Properties

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

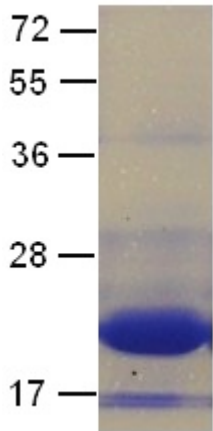
**Physical Appearance (form):** White or clear

**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 Arl3 was determined by SDS- PAGE and Coomassie Brilliant Blue Staining.



### References:

1. Cavenagh, M. M. et al., J. Biol. Chem. 269: 18937-18942, 1994.
2. Grayson, C. et al., Hum. Molec. Genet. 11: 3065-3074, 2002.
3. Kim, H.-S. Cytogenet. Cell Genet. 83: 246-only, 1998.
4. Schrick, J. JAm. J. Path. 168: 1288-1298, 2006.
5. Veltel, S. et al., Nature Struct. Molec. Biol. 15: 373-380, 2008.