



— A helping hand for your research

Product Description

Product Name: Arl3 Protein Q71L mutant

Synonyms: ADP-ribosylation factor-like 3, ARFL3

Catalogue Number: 10166

Source: Human, recombinant full length, His₆-tag

Expression Host: E. coli

Molecular Weight: 20 kDa

Purity: >99% 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, Q71L)

MGLLSILRKLKLSAPDQEVRIILLGLDNAGKTTLLKQLA
SEDISHITPTQGFNIKSVQSQGFKLNVDIGGLRKIRP
YWKNYFENTDILIIYVIDSADRKRFEETGQELAELEEE
KLSCVPVLIFANKQDLLTAAPASEIAEGLNLHTIRDRV
WQIQSCSALTGEGVQDGMNWVCKNVNAKKK

Properties

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

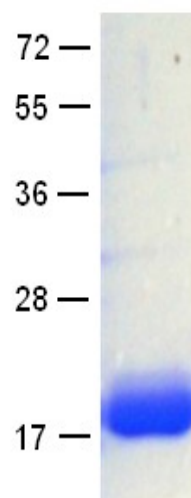
Physical Appearance (form): White or clear

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 Arl3 Q71L 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.

For research use only. Not for diagnostic or therapeutic applications.

24 Whitewoods Lane, Malvern, PA 19355 Tel: (610) 945-2007 Fax: (610) 945-2008
E-mail: sale@neweastbio.com Web: www.neweastbio.com