

Product Description

Product Name: Arf6 Protein

Synonyms: ADP-ribosylation factor 6

Catalogue Number: 10124

Source: Human, recombinant, His₆-tag

Expression Host: E. coli

Molecular Weight: 17 kDa

Purity: >99% by SDS-PAGE

Introduction: Arf6 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. Arf6 regulates membrane trafficking and the actin cytoskeleton at the plasma membrane and functions as a regulatory molecule of phagocytosis.

Amino Acid Sequence (13-175)

EMRILMLGLDAAGKTTILYKLLKLGQSVTTIPTVGFNVE
TVTYKNVKFNVWDVGGQDKIRPLWRHYTGTQGLIFVV
DCADRDRIDEARQELHRIINDREMRDAIILIFANKQDL
PDAMKPHEIQEKLGLTRIRDRNWYVQPSCATSGDGLYE
GLTWLTSNYKS

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 Arf6 was determined by SDS-PAGE and Coomassie Brilliant Blue Staining.

References

1. Cavenagh, M. M. et al., J. Biol. Chem. 271: 21767-21774, 1996.
2. D'Souza-Schorey, C. et al., Science 267: 1175-1178, 1995.
3. Falace, A. et al., Am. J. Hum. Genet. 87: 365-370, 2010.
4. Hernandez-Deviez, D. J. et al., Nature Neurosci. 5: 623-624, 2002.
5. O'Neal, C. J. et al., Science 309: 1093-1096, 2005.

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