

AR50077PU-N

Human ARL4D / ARF4L (1-201, His-tag) - Purified

Alternate names:

ADP-ribosylation factor-like protein 4D

Quantity:

0.5 mg

Concentration:

0.25mg/ml (determined by Bradford assay)

Background:

ARL4D (ADP-ribosylation factor-like protein 4D) is a developmentally regulated member of the ADP-ribosylation factor/ARF-like protein (ARF/ARL) family of Ras-related GTPases. Small GTP-binding protein which cycles between an inactive GDP-bound and an active GTP-bound form, and the rate of cycling is regulated by guanine nucleotide exchange factors (GEF) and GTPase-activating proteins (GAP). This protein may play a role in membrane-associated intracellular trafficking. Mutations in this gene have been associated with Bardet-Biedl syndrome (BBS).

Uniprot ID:
[P49703](#)
NCBI:
[NP_001652](#)
GeneID:
[379](#)
Species:

Human

Source:

E. coli

Format:
State: Liquid purified protein

Purity: >90% by SDS - PAGE

Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 2mM DTT, 20% glycerol, 200mM NaCl

Description:

Recombinant human ARL4D protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

AA Sequence:

MGSSHHHHH SSGLVPRGSH MGNHLEMAP TASSFLPHFQ ALHVVVIGLD SAGKTSLLYR
LKFKEFVQSV PTKGFNTEKI RVPLGGSRG I TFQVWDVGGQ EKLRLWRSY TRRTDGLV FV
VDAAEAERLE EAKVELHRIS RASDNQGV P LVLANKQDQP GALSAAEVEK RLAVRELA A A
TLTHVQGC SA VDGLGLQQGL ERLYEMILKR KKAARGGKKR R

Molecular weight: 24.3 kDa (221aa), confirmed by MALDI-TOF

Storage:

Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

General Readings:

Li CC, et al. (2007) Mol Biol Cell. 18(11):4420-37. Hofmann I., et al (2007) Curr. Biol. 17:711-716

Pictures:

