

Product information

ARL4D, 1-201aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP1252

Full name: ADP-ribosylation factor-like protein 4D

NCBI Accession No.: NP_001652

Synonyms: ARF4L, ARL6

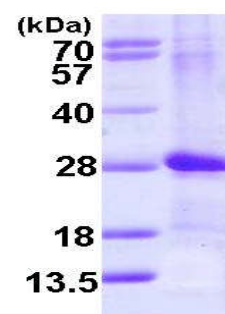
Description: ARL4D (ADP-ribosylation factor-like protein 4D) is a developmentally regulated member of the ADP-ribosylation factor/ARF-like protein (ARF/ARL) family of Ras-related GTPases. Small GTP-binding protein which cycles between an inactive GDP-bound and an active GTP-bound form, and the rate of 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). Recombinant human ARL4D protein, fused to His-tag at N-terminus, was expressed in *E.coli* and purified by using conventional chromatography techniques.

Form: Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 2mM DTT, 20% glycerol, 200mM NaCl

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

Purity: > 90% by SDS - PAGE

Concentration: 0.25mg/ml (determined by Bradford assay)



15% SDS-PAGE (3ug)

Sequences of amino acids:

MGSSHHHHHH SSGLVPRGSH MGNHITEMAP TASSFLPHFQ ALHVVVIGLD SAGKTSLLYR LKFKEFVQSV PTKGFNTEKI RVPLGGSRGI
TFQVWDVGGQ EKLRLPLWRSY TRRTDGLVFV VDAEAERLE EAKVELHRIS RASDNQGVVPV LVLANKQDQP GALSAAEVEK RLAVRELA
TLTHVQGCSA VDGLGLQQGL ERLYEMILKR KKAARGGKKR R

General references:

Li CC, *et al.* (2007) *Mol Biol Cell.* 18(11):4420-37.

Hofmann I., *et al* (2007) *Curr. Biol.* 17:711-716

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.