

Recombinant human ARF4L/ARL4D protein

Catalog Number: ATGP1252

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-201aa

UniProt No.

P49703

NCBI Accession No.

NP_001652.2

Alternative Names

ADP-ribosylation factor-like protein 4D, ARF4L, ADP ribosylation factor like GTPase 4D

PRODUCT SPECIFICATION

Molecular Weight

24.3 kDa (221aa) confirmed by MALDI-TOF

Concentration

0.25mg/ml (determined by Bradford assay)

Formulation

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

Purity

> 90% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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

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by using conventional chromatography techniques.

Amino acid Sequence

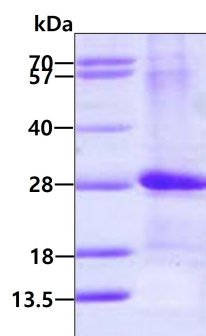
<MGSSHHHHHH SSGLVPRGSH> MGNHLTEMAP TASSFLPHFQ ALHVVVIGLD SAGKTSLLYR LKFKEFVQSV
PTKGFNTEKI RVPLGGSRGI TFQVWDVGGQ EKLRLPLWRSY TRRTDGLVFV VDAAEAERLE EAKVELHRIS RASDNQGVV
LVLANKQDQP GALSAAEVEK RLAVRELAAL TLTHVQGCSA VDGLGLQOGL ERLYEMILKR KKAARGGKKR R

General References

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

DATA

SDS-PAGE



3 μ g by SDS-PAGE under reducing condition and visualized by coomassie blue stain.