

Recombinant human ARL4/ARL4A protein

Catalog Number: ATGP1151

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-200aa

UniProt No.

P40617

NCBI Accession No.

NP_005729.1

Alternative Names

ADP-ribosylation factor-like protein 4A, ARL4, ADP ribosylation factor like GTPase 4A

PRODUCT SPECIFICATION

Molecular Weight

24.7 kDa (220aa) confirmed by MALDI-TOF

Concentration

0.25mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 20% glycerol, 0.1M NaCl, 1mM DTT

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

ARL4A, also known as ADP-ribosylation factor-like protein 4A, is a member of the ARF-like protein (ARL) subfamily of small GTPases. It is most closely related to ARL6 and ARL7. Unlike ARFs, ARL4 does not activate the cholera toxin ADP-ribosyltransferase. This protein may play a role in neurogenesis during embryonic development and somitogenesis in the early stages of adult spermatogenesis. Recombinant human ARL4A protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography.

Recombinant human ARL4/ARL4A protein

Catalog Number: ATGP1151

Amino acid Sequence

<MGSSHHHHHH SSGLVPRGSH> MGNGLS DQTS ILSNLP SFQS FHIVILGLDC AGKTTVLYRL QFNEFVNTVP TKGFNTEKIK
VTLGNSKTVT FHFWDVGGQE KLRPLWKS YT RCTDGIVFV DSVDVERMEE AKTELHKITR ISENQGVPL IVANKQDLRN
SLSLSEIEKL LAMGELSSST PWHLQPTCAI IGDGLKEGLE KLHDMIIKRR KMLRQKKKKR

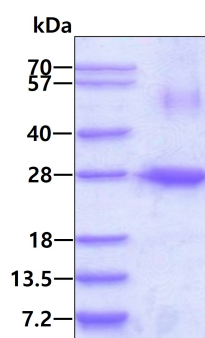
General References

Lin CY. et al. (2000) J. Biol. Chem. 275:37815-23.

Schurmann A. et al. (1994) J. Biol. Chem. 269: 15683-8.

DATA

SDS-PAGE



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