

# Recombinant human ARL4/ARL4A protein

Catalog Number: ATGP1151

## PRODUCT INFORMATION

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### 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

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### 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

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### 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.

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## Amino acid Sequence

<MGSSHHHHH SSGLVPRGSH> MGNGLSMQTS ILSNLPFQS FHIVILGLDC AGKTTVLYRL QFNEFVNTVP TKGFNTEKIK  
VTLGNSKTVT FHFWDVGGQE KLRPLWKSYS RCTDGIVFVV DSVDVERMEE AKTELHKITR ISENQGVPLV IVANKQDLRN  
SLSLSEIEKL LAMGELSSST PWHLQPTCAI IGDGLKEGLE KLHDMIIKRR KMLRQKKKR

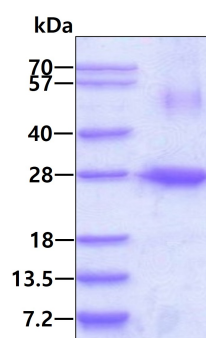
## General References

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



3 $\mu$ g by SDS-PAGE under reducing condition and visualized by coomassie blue stain.