

Recombinant human ARL5/ARL5A protein

Catalog Number: ATGP0816

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-179aa

UniProt No.

Q9Y689

NCBI Accession No.

NP_036229.1

Alternative Names

ADP-ribosylation factor-like 5A, ARFLP5, ARL5, ADP ribosylation factor like GTPase 5A, ADP-ribosylation factor-like 5

PRODUCT SPECIFICATION

Molecular Weight

23.3 kDa (203aa) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 2mM DTT, 20% glycerol, 0.2mM PMSF

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

ADP-ribosylation factor-like 5A, also known ARL5A, belongs to the ARF family of GTP-binding proteins. ARFs are important in eukaryotic vesicular trafficking pathways and play an essential role in the activation of phospholipase D. Unlike many ARF family members, ARL5 is thought to lack ADP-ribosylation enhancing activity. ARL5A is developmentally regulated and may play a role in nuclear dynamics and signaling cascades during embryonic development. Recombinant human ARL5A protein, fused to His-tag at N-terminus, was expressed in

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E. coli and purified by using conventional chromatography techniques.

Amino acid Sequence

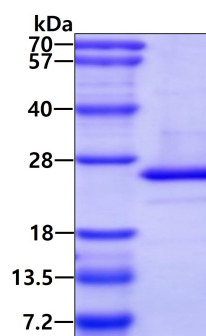
<MGSSHHHHHH SSGLVPRGSH MGSH>MGILFT RIWRLFNHQE HKVIIVGLDN AGKTTILYQF SMNEVVHTSP TIGSNVEEIV
INNTRFLMWD IGGQESLRSS WNTYYTNTEF VIVVVDSTDR ERISVTREEL YKMLAHEDLR KAGLLIFANK QDVKECMTVA
EISQFLKLTS IKDHQWHIQA CCALTGEGLC QGLEWMMMSRL KIR

General References

Harauchi T., et al. (2006) Biosci Biotechnol Biochem. 70:1798-1802.
Pasqualato S., et al. (2002) EMBO Rep. 3:1035-1041.

DATA

SDS-PAGE



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