

Recombinant human ARF4 protein

Catalog Number: ATGP0864

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-180aa

UniProt No.

P18085

NCBI Accession No.

NP_001651

Alternative Names

ADP-ribosylation factor 4, ARF2

PRODUCT SPECIFICATION

Molecular Weight

23.0 kDa (204aa) confirmed by MALDI-TOF

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 5mM DTT, 20% glycerol

Purity

> 95% 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

ARF4 is a member of the ARF gene family whose members encode small guanine nucleotide-binding proteins that stimulate the ADP-ribosyltransferase activity of cholera toxin and play a role in vesicular trafficking and as activators of phospholipase D. The ARF proteins include 5 ARF proteins and 11 ARF-like proteins and constitute one family of the RAS superfamily. They are categorized as class I, class II and class III; this gene is a class II member. Recombinant human ARF4 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

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Amino acid Sequence

<MGSSHHHHH SSGLVPRGSH MGSHT>MGLTIS SLFSRLFGKK QMRILMVGLD AAGKTTILYK LKLGEIVTTI PTIGFNVETV
EYKNICFTVW DVGGQDRIRP LWKHVFQNTQ GLIFVVDSD RERIQEVADE LQKMLLVDEL RDAVLLLFAN KQDLPNAMAI
SEMTDKLGLQ SLRNRTWYVQ ATCATQGTGL YEGLDWLSNE LSKR

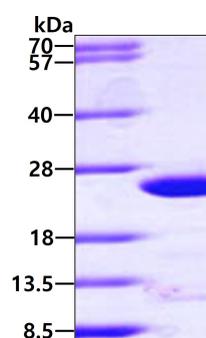
General References

Mazelova J., et al. (2009) EMBO J. 28(3):183-92.

Woo IS., et al. (2009) Cancer Lett. 276(1):53-60.

DATA

SDS-PAGE



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