

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.

Recombinant human ARF4 protein

Catalog Number: ATGP0864

Amino acid Sequence

<MGSSHHHHHH SSGLVPRGSH MGS>MGLTIS SLFSRLFGKK QMRILMVGLD AAGKTTILYK LKLGEIVTTI PTIGFNVETV
EYKNICFTVW DVGGQDRIRP LWKH YFQNTQ GLIFV VDSND RERI QEVADE LQKMLLVDEL RDAVLLLFAN KQDLPNAMAI
SEMTDKLGLQ SLRNRTWYVQ ATCATQGTGL YEGLDWLSNE LSKR

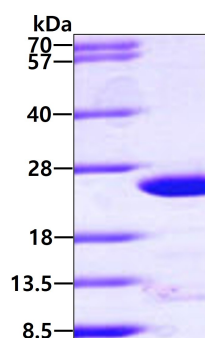
General References

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.