

Recombinant human ARF1 protein

Catalog Number: ATGP0644

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-181aa

UniProt No.

P84077

NCBI Accession No.

NP_001649

Alternative Names

ADP-ribosylation factor 1, ADP ribosylation factor 1

PRODUCT SPECIFICATION

Molecular Weight

22.8 kDa (201aa) confirmed by MALDI-TOF

Concentration

1mg/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

Endotoxin level

< 1 EU per 1ug of protein (determined by LAL method)

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

ARF1, also known as ADP-ribosylation factor 1, is a small guanine nucleotide-binding protein that enhances the enzymatic activities of cholera toxin. It is essential and ubiquitous in eukaryotes, as this protein is involved in vesicular transport and functioning via phospholipase D activation. ARF1 plays a role in membrane traffic and organelle integrity and are intimately tied to their reversible association with membranes and distinct

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interactions with membrane phospholipids. Recombinant human ARF1 protein, fused to His-tag at N-terminus, was expressed in *E. coli* and purified by using conventional chromatography techniques.

Amino acid Sequence

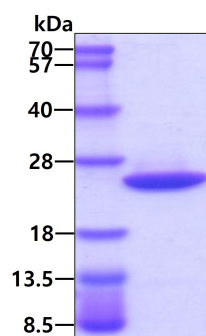
<MGSSHHHHHH SSGLVPRGSH> MGNIFANLFK GLFGKEMRI LMVGLDAAGK TTILYKLLKG EIVTTIPTIG FNVETVEYKN ISFTVWDVGG QDKIRPLWRH YFQNTQGLIF VVDSNDRERV NEAREELMRM LAEDEL RDAV LLVFANKQDL PNAMNAAEIT DKLGLHSLRH RNWYIQATCA TSGDGLYEGL DWLSNQLRNQ K

General References

Lee CM., et al. (1992) *J Biol Chem.* 267(13):9028-34.

DATA

SDS-PAGE



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