

Recombinant Human ADP-ribosylation Factor 1, His-tagged

Cat. No. ARF1-2769H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human ARF1 protein, fused to His-tag at N-terminus, was expressed in <i>E.coli</i> and purified by using conventional chromatography techniques. MW = 22.8 kDa (201aa).
Species	Human
Source	E.coli
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 interactions with membrane phospholipids.
Form	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol 0.1M NaCl, 1mM DTT.
Purity	> 90% by SDS - PAGE.
Concentration	1.0 mg/ml (determined by Bradford assay).
Sequences Of Amino Acids	MGSSHHHHH SSGLVPRGSH MGNIFANLFK GLFGKKEMRI LMVGLDAAGK TTIL YK LKLG EIVTTIPTIG FNVETVEYKN ISFTVWDVGGQDKIRPLWRH YFQNTQGLIF VV DSNDRERV NEAREELMRM LAEDEL RDAV LLVFANKQDL PNAMNAAEIT DKL GLHSLRH RNWYIQATCA TSGDGLYEGL DWLSNQLRNQ K.

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Storage Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

Pathways Vibrio cholerae infection; HIV Infection; Membrane Trafficking

GENE INFORMATION

Gene Name [ARF1 ADP-ribosylation factor 1 \[Homo sapiens \]](#)

Synonyms ADP-ribosylation factor 1; ARF1

Gene ID [375](#)

mRNA Refseq [NM_001024226](#)

Protein Refseq [NP_001019397](#)

MIM [103180](#)

UniProt ID [P84077](#)

Chromosome Location 1q42

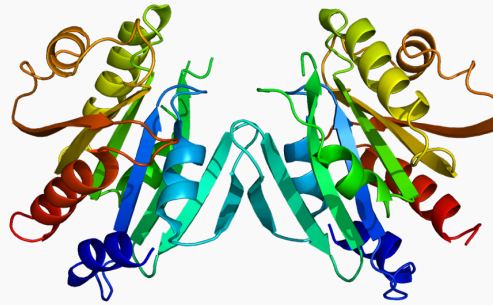
Function GTP binding; GTPase activity; nucleotide binding; protein binding; receptor signaling protein activity

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