

# Product information



## ARF1, 1-181 aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP0644

**Full name:** ADP-ribosylation factor 1

**NCBI Accession No.:** NP\_001649

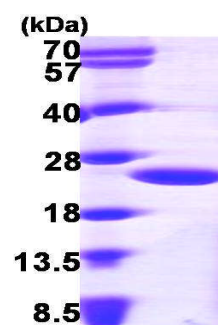
**Description:** ARF1, also known as ADP-ribosylation factor 1, is a small guanine nucleotide-binding protein that enhances the enzymatic activities of cholera toxin. It is essential and ubiquitous in eukaryotes, as this protein is involved in vesicular transport and functioning via phospholipase D activation. 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. Recombinant human ARF1 protein, fused to His-tag at N-terminus, was expressed in *E.coli* and purified by using conventional chromatography techniques.

**Form:** Liquid. 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol  
0.1M NaCl, 1mM DTT

**Molecular Weight:** 22.8 kDa (201aa) confirmed by MALDI-TOF

**Purity:** > 90% by SDS - PAGE

**Concentration:** 1.0 mg/ml (determined by Bradford assay)



15% SDS-PAGE (3ug)

### Sequences of amino acids:

MGSSHHHHHH SSGLVPRGSH MGNIFANLFK GLFGKKEMRI LMVGLDAAGK TTILYKCLKG EIVTTIPTIG FNVETVEYKN ISFTVWDVGG  
QDKIRPLWRH YFQNTQGLIF VVDSNDRERV NEAREELMRM LAEDELDAV LLVFANKQDL PNAMNAEIT DKLGLHSLRH RNWYIQATCA  
TSGDGLYEGL DWLSNQLRNQ K

### General references:

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

**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.

**WARNING: THIS PRODUCT IS NOT INTENDED OR APPROVED FOR HUMAN, DIAGNOSTICS OR VETERINARY USE. USE OF THIS PRODUCT FOR HUMAN OR ANIMAL TESTING IS EXTREMELY HAZARDOUS AND MAY RESULT IN DISEASE, SEVERE INJURY, OR DEATH.**

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Avoid repeated freezing and thawing cycles.

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