

# Recombinant human ARF6 protein

Catalog Number: ATGP0802

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

1-175aa

### UniProt No.

P62330

### NCBI Accession No.

NP\_001654

### Alternative Names

ADP-ribosylation factor 6

## PRODUCT SPECIFICATION

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### Molecular Weight

22.2 kDa (195aa) confirmed by MALDI-TOF

### Concentration

1mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 2mM DTT, 20% glycerol, 0.2mM PMSF

### 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

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### Description

ADP-ribosylation factor 6, also known as ARF6, is a member of the ADP ribosylation factor family of GTP-binding proteins. It is localized to the plasma membrane, and regulates vesicular trafficking, remodelling of membrane lipids, and signaling pathways that lead to actin remodeling. Additionally, ARF6 play a central role in maintenance of organelle integrity, assembly of coat proteins and activation of phospholipase D. Recombinant human ARF6 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

<MGSSHHHHHH SSGLVPRGSH> MGKVLISKIFG NKEMRILMLG LDAAGKTTIL YKLKLGQSVT TIPTVGFNVE TVTYKNVKFN  
VWDVGGQDKI RPLWRHYTG TQGLIFVDC ADRDRIDEAR QELHRIINDR EMRDAILIF ANKQDLPDAM KPHEIQEKLK  
LTRIRDRNWY VQPSCATSGD GLYEGLTWLT SNYKS

## General References

Amor J C., et al. (1994) Nature. 372:704-708.  
Randazzo P A., et al. (1994) J Biol Chem. 269:29490-29494.

## DATA

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### SDS-PAGE

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

