

# Product information

## ARF5, 1-180aa

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

Cat. No. IBATGP1100

**Full name:** ADP-ribosylation factor 5

**NCBI Accession No.:** NP\_001653

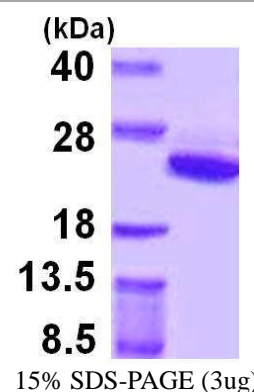
**Description:** ADP-ribosylation factor 5, also known as ARF5, is a small guanine nucleotide-binding protein that enhances the enzymatic activities of cholera toxin. ARF-dependent regulatory mechanisms include the coordination of spectrin interactions with golgi membranes and the association of actin to the golgi via rho family-dependent G-protein localization and WASP/Arp2/3 complexes. ARF5 is involved in vesicular transport and functioning via phospholipase D activation. Recombinant human ARF5 protein, fused to His-tag at N-terminus, was expressed in *E.coli* and purified by using conventional chromatography techniques.

**Form:** Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 20% glycerol, 0.1M NaCl

**Molecular Weight:** 22.6 kDa (200aa), confirmed by MALDI-TOF

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

**Concentration:** 1 mg/ml (determined by Bradford assay)



### Sequences of amino acids:

MGSSHHHHH SSGLVPRGSH MGLTVSALFS RIFGKKQMRI LMVGLDAAGK TTILYKCLKG EIVTTIPTIG FNVETVEYKN ICFTVWDVGG  
QDKIRPLWRH YFQNTQGLIF VVDSNDRERV QESADELQKM LQEDELRDAV LLVFANKQDM PNAMPVSELT DKLGLQHLRS RTWYVQATCA  
TQGTGLYDGL DWLSHELKSR

### General references:

Randazzo P A., *et al.* (1994) *J Biol Chem.* 269:29490-29494.

Fucini R V., *et al.* (2000) *J Biol Chem.* 275:18824-18829.

**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.

**For research use only. This product is not intended or approved for human, diagnostics or veterinary use.**



Immuno-Biological Laboratories, Inc. (IBL-America)  
8201 Central Ave. NE, Suite P, Minneapolis, Minnesota 55432, USA  
Phone: +1 (763) - 780-2955 Fax: +1 (763) - 780-2988  
Email: [info@ibl-america.com](mailto:info@ibl-america.com) Web: [www.ibl-america.com](http://www.ibl-america.com)