

# Product information



## ARF4, 1-180 aa

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

Cat. No. IBATGP0864

**Full Name:** ADP-ribosylation factor 4

**NCBI Accession No.:** NP\_001651

**Synonyms:** ARF2

**Description:** ARF4 is a member of the ARF gene family whose members encode small guanine nucleotide-binding proteins that stimulate the ADP-ribosyltransferase activity of cholera toxin and play a role in vesicular trafficking and as activators of phospholipase D. The ARF proteins include 5 ARF proteins and 11 ARF-like proteins and constitute one family of the RAS superfamily. They are categorized as class I, class II and class III; this gene is a class II member. Recombinant human ARF4 protein, fused to His-tag at N-terminus, was expressed in *E.coli* and purified by using conventional chromatography techniques.

**Form:** Liquid. In 20 mM Tris-HCl buffer (pH8.0) containing 0.2M NaCl,

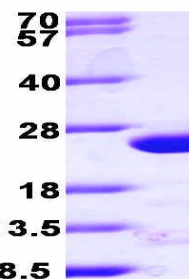
5mM DTT, 20% glycerol

**Molecular Weight:** 23.0 kDa (204aa), confirmed by MALDI-TOF

**Purity:** > 95% by SDS - PAGE

**Concentration:** 0.5 mg/ml (determined by Bradford assay)

(kDa)



15% SDS-PAGE (3ug)

### Sequences of amino acids:

MGSSHHHHHH SSGLVPRGSH MGSMLGLTIS SLFSRLFGKK QMRILMVGLD AAGKTTILYK LKLGEIVTTI PTIGFNVETV EYKNICFTW  
DVGGQDRIRP LWKHYFQNTQ GLIFVVDSDND RERIQEVADE LQKMLLVDEL RDAVLLLIFAN KQDLPNAMA I SEMTDKLG LQ SLRNRTWYVQ  
ATCATQGTGL YEGLDWLSNE LSKR

### General references:

Mazelova J., *et al.* (2009) *EMBO J.* 28(3):183-92.

Woo IS., *et al.* (2009) *Cancer Lett.* 276(1):53-60.

**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.**

# Product information

---



**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.

**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.**