

## ARF4 Human

**Description:** ARF4 Human Recombinant fused with a 24 amino acid His tag at N-terminus produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 204 amino acids (1-180 a.a.) and having a molecular mass of 23kDa. The ARF4 is purified by proprietary chromatographic techniques.

Catalog #:PRPS-073

For research use only.

**Synonyms:** ADP-ribosylation factor 4, ARF4, ARF2.

**Source:** Escherichia Coli.

**Physical Appearance:** Sterile Filtered colorless solution.

**Amino Acid Sequence:** MGSSHHHHHH SSGLVPRGSH MGSHMGLTIS SLFSRFLGKK  
QMRILMVGLD AAGKTTILYK LKLGEIVTTI PTIGFNVETV EYKNICFTVW DVGGQDRIRP  
LWKHYFQNTQ GLIFVVDSDN RERIQEVADL LQKMLLVDEL RDAVLLLFAN KQDLPNAMA  
SEMTEKGLGQ SLRNRTWYVQ ATCATQGTGL YEGLDWLSNE LSKR.

**Purity:** Greater than 95.0% as determined by SDS-PAGE.

### Formulation:

The ARF4 solution (0.5 mg/ml) 20mM Tris-HCl buffer (pH8.0), 0.2M NaCl, 5mM DTT and 20% glycerol.

### Stability:

ARF4 should be stored desiccated below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

### Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

### Introduction:

ARF4 belongs to the ARF gene family whose members encode small guanine nucleotide-binding proteins which stimulate the ADP-ribosyltransferase activity of cholera toxin and have a role in vesicular trafficking and as activators of phospholipase D. The ARF proteins include five ARF proteins and eleven ARF-like proteins and constitute one family of the RAS superfamily. They are classified as class I, class II and class III; the ARF4 gene is a class II member. The members of each class share a common gene organization. The ARF4 gene spans approximately 12kb and contains 6 exons and 5 introns. The ARF4 gene is the most divergent member of the human ARFs.

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