

AR09804PU-L**Human ARF4 (1-180, His-tag) - Purified****Alternate names:**

ADP-ribosylation factor 4, ARF2

Quantity:

0.5 mg

Concentration:

0.5 mg/ml (determined by Bradford assay)

Background:

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.

Uniprot ID:[P18085](#)**NCBI:**[NP_001651](#)**GeneID:**[378](#)**Species:**

Human

Source:

E. coli

Format:**State:** Liquid purified protein**Purity:** >95%**Buffer System:** 20 mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 5mM DTT, 20% glycerol**Description:**

Recombinant human ARF4 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

AA Sequence:

MGSSHHHHHH SSGLVPRGSH MGSHMGLTIS SLFSRLFGKK QMRILMVGLD AAGKTTILYK
LKLGEIVTTI PTIGFNVETV EYKNICFTVW DVGGQDRIRP LWKHYFQNTQ GLIFVVDNSD
RERIQEVADE LQKMLLVDEL RDAVLLLFAN KQDLPNAMAI SEMTDKLGLO SLRNRWYVQ
ATCATQGTGL YEGLDWLSNE LSKR

Molecular weight: kDa (204aa), confirmed by MALDI-TOF**Storage:**

Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

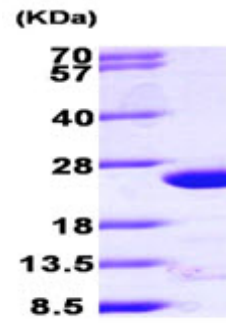
General Readings:

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

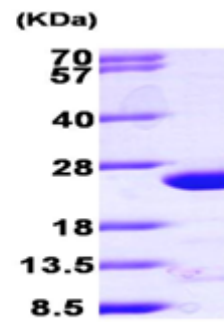
Woo IS., et al. (2009) Cancer Lett. 276(1):53-60.

Pictures:

Recombinant human ARF4, 1-180 aa, His-tagged



15% SDS-PAGE (3ug)



15% SDS-PAGE (3ug)