

Product datasheet for **RG204984**

ARF4 (NM_001660) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: ARF4 (NM_001660) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: ARF4
Synonyms: ARF2
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG204984 representing NM_001660
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGCCTCACTATCTCCTCCTCTTCTCCCGACTATTTGGCAAGAAGCAGATGCGCATTTTGATGGTTG
GATTGGATGCTGCTGGCAAGACAACCATTCTGTATAAACTGAAGTTAGGGGAGATAGTCACCACCATTCC
TACCATTGGTTTTAATGTGGAACAGTAGAATAAAGAACATTTGTTTCACAGTATGGGATGTTGGTGGT
CAAGATAGAATTAGGCCTCTCTGGAAGCATTACTCCAGAATACCCAGGGTCTTATTTTTGTGGTAGATA
GCAACGATCGTGAAAGAATTCAGGAAGTAGCAGATGAGCTGCAGAAAATGCTTCTGGTAGATGAATTGAG
AGATGCAGTGCTGCTACTTTTTGCAAACAAACAGGATTTGCCAAATGCTATGGCCATCAGTGAAATGACA
GATAAACTAGGGCTTCAGTCTCTTCGTAACAGAACATGGTATGTTCAAGCCACTGTGCAACACAAGGAA
CTGGTCTGTATGAAGGACTTGACTGGCTGTCAAATGAGCTTTCAAACGT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG204984 representing NM_001660
Red=Cloning site Green=Tags(s)

MGLTISSLFSRFLFGKKQMRILMVGLDAAGKTTILYKLLKLEIVTTIPTIGFNVETVEYKNICFTVWDVGG
QDRIRPLWKHYFQNTQGLIFVVDSDNRERIQEVADELQKMLLVDELRDVLLLFANKQDLPNAMAISEMT
DKLGLQSLRNRTWYVQATCATQGTGLYEGLDWLSNELSKR

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



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Cloning Scheme:


ACCN: NM_001660

ORF Size: 540 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

- Reconstitution Method:**
1. Centrifuge at 5,000xg for 5min.
 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
 3. Close the tube and incubate for 10 minutes at room temperature.
 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_001660.4](#)

RefSeq Size: 1610 bp

RefSeq ORF: 543 bp

Locus ID: 378

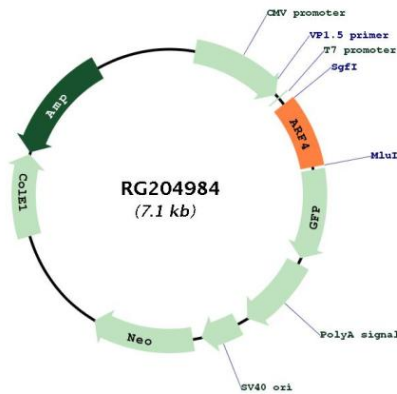
UniProt ID: [P18085](#)

Cytogenetics: 3p14.3

Domains: RAB, SAR, ARF, arf

Gene Summary: This gene is a member of the human 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 gene products include 5 ARF proteins and 11 ARF-like proteins and constitute one family of the RAS superfamily. The ARF proteins are categorized as class I, class II and class III; this gene is a class II member. The members of each class share a common gene organization. The ARF4 gene spans approximately 12kb and contains six exons and five introns. This gene is the most divergent member of the human ARFs. Conflicting map positions at 3p14 or 3p21 have been reported for this gene. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG204984