

Product datasheet for **MG212401**

Arf4 (NM_007479) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Arf4 (NM_007479) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Arf4
Synonyms: AA407803
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG212401 representing NM_007479
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGGCCTCACCATCTCCTCTCTCTCTCGCGCCTGTTCCGCAAGAAGCAGATGCGCATTTTGATGGTTG
 GATTGGATGCTGCTGGCAAGACGACAATTCTGTATAAACTGAAATTAGGGGAAATAGTCACCACCATTCC
 TACCATTGGTTTTAATGTGGAACAGTAGAATAAAGAACATTTGTTTCACAGTATGGGATGTTGGTGGT
 CAAGATAAAATTAGGCCTCTCTGGAGGCATTACTCCAGAATACCCAGGGTCTCATTTTTGTGGTAGATA
 GCAATGATCGTGAAAGAATCCAGGAAGGAGCAGCTGTGCTGCAGAAAATGCTTCTGGAAGATGAGCTGCA
 GGATGCAGTGCTGCTCTTTTTGCAAACAACAGGATCTGCCAAACGCTATGGCCATCAGTGAGATGACA
 GACAAGCTAGGTCTGCAGTCTCTCCGAAACAGAACATGGTATGTCCAAGCCACTGTGCTACACAAGGAA
 CTGGTCTGTATGAGGGACTGGATTGGCTGTCAAATGAACTTTCAAACGT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG212401 representing NM_007479
 Red=Cloning site Green=Tags(s)

MGLTISSLFSRFLGKKQMRILMVGLDAAGKTTILYKLLKLEIVTTIPTIGFNVETVEYKNICFTVWDVGG
 QDKIRPLWRHYFQNTQGLIFVVDSDNRERIQEGAAVLQKMLLEDELQDAVLLLFANKQDLPNAMAISEMT
 DKLGLQSLRNRTWYVQATCATQGTGLYEGLDWLSNELSKR

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



Cloning Scheme:


ACCN: NM_007479

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_007479.4](#)

RefSeq Size: 2042 bp

RefSeq ORF: 543 bp

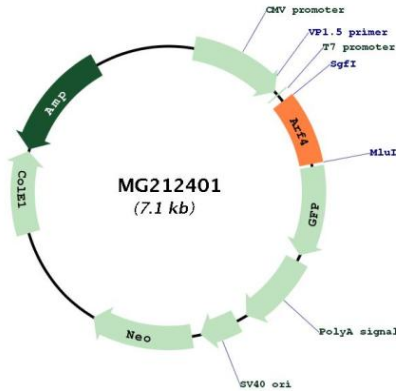
Locus ID: 11843

UniProt ID: [P61750](#)

Cytogenetics: 14 16.09 cM

Gene Summary: GTP-binding protein that functions as an allosteric activator of the cholera toxin catalytic subunit, an ADP-ribosyltransferase. Involved in protein trafficking; may modulate vesicle budding and uncoating within the Golgi apparatus.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG212401