

Product datasheet for **RR208590**

Arf4 (NM_024151) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Arf4 (NM_024151) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Arf4
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RR208590 representing NM_024151
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGCATCGCC

ATGGGCCTCACCATCTCCTCTCTCTCTCGCGCCTCTTCGGCAAGAAGCAGATGCGCATTTCATGGTTG
GATTGGATGCTGCGGGCAAGACGACGATTCTGTATAAACTGAACTAGGGGAGATAGTCACCACCATTCC
TACCATTGGTTTTAATGTGGAACAGTAGAATAAAGAACATTTGTTTCACAGTTGGGATGTTGGTGGT
CAAGATAAAATTAGGCCTCTCTGGAGGCATTACTCCAGAATACCCAGGGTCTCATTTCGTGGTAGATA
GCAATGATCGTGAAAGAATTCAGGAAGGAGCAGCCGCTGCTCAGAAAAATGCTTCTGGAAGATGAGCTGCA
GGATGCTGTGCTGCTTTTTTGGCAACAACAGGATTTGCCAAATGCTATGGCCATCAGTGAGATGACA
GACAAGTTAGGTCTTCAGTCTCTCCGGAACAGAACATGGTATGTCCAAGCCACTGTGCTACACAAGGAA
CTGGTCTGTACGAGGGGCTGGATTGGCTGTCAAATGAACTTTCAAACGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAAGTTTAA

Protein Sequence: >RR208590 representing NM_024151
Red=Cloning site Green=Tags(s)

MGLTISSLFSRIFGKKQMRILMVGLDAAGKTTILYKLLKLEIVTTIPTIGFNVETVEYKNICFTVWDVGG
QDKIRPLWRHYFQNTQGLIFVVDSDNRERIQEGAAVLQKMLLEDELQDAVLLLFANKQDLPNAMAISEMT
DKLGLQSLRNRTWYVQATCATQGTGLYEGLDWLSNELSKR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja2028_e11.zip

Restriction Sites: SgfI-MluI



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Cloning Scheme:


ACCN: NM_024151

ORF Size: 540 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

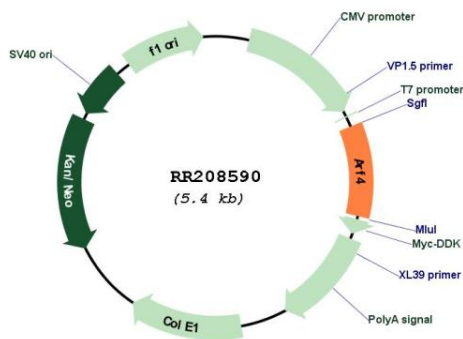
OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_024151.1](#), [NP_077065.1](#)

RefSeq Size:	1608 bp
RefSeq ORF:	543 bp
Locus ID:	79120
UniProt ID:	P61751
Cytogenetics:	16p16
MW:	20.8 kDa
Gene Summary:	human homolog binds EGFR and mediates the EGF-dependent activation of phospholipase D2 (PLD2) and of transcription factor AP-1 [RGD, Feb 2006]

Product images:


Circular map for RR208590