

## Product datasheet for **RC205000**

### **JWA (ARL6IP5) (NM\_006407) Human Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** JWA (ARL6IP5) (NM\_006407) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** JWA  
**Synonyms:** addicisin; DERP11; GTRAP3-18; hp22; HSPC127; jmx; JWA; PRAF3; Yip6b  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >RC205000 representing NM\_006407  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGACGTTAATATCGCCCCACTCCGCGCTGGGACGATTTCTCCCGGTTCCGATCGCTTTGCCCGGC  
CGGACTTCAGGGACATTTCCAAATGGAACAACCGCTAGTGAGCAACCTGCTCTATTACCAGACCAACTA  
CCTGGTGGTGGCTGCCATGATGATTTCCATTGTGGGTTTCTGAGTCCCTCAACATGATCCTGGGAGGA  
ATCGTGGTGGTGGTGTTCACAGGGTTGTGTGGCAGCCACAATAAAGACGTCCTTCGCCGGATGA  
AGAAGCGTACCCACGACGTTCTGTTATGGTGGTCATGTTGGCGAGCTATTTCTTATCTCCATGTTTGG  
AGGAGTCATGGTCTTTGTGTTTGGCATTACTTTTCTTTGCTGTTGATGTTTATCCATGCATCGTTGAGA  
CTTCGGAACCTCAAGAACAACCTGGAGAATAAAATGGAAGGAATAGGTTTGAAGAGGACACCGATGGCA  
TTGTCCTGGATGCCCTAGAACAGCAGGAAGAAGGCATCAACAGACTCACTGACTATATCAGCAAAGTGAA  
GGAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC205000 representing NM\_006407  
Red=Cloning site Green=Tags(s)

MDVNIAPLRAWDDFFPGSDRFARPDFRDISKWNRRVSNLLYYQTNLVAAMMISIVGFLSPFNMLGG  
IVVVLVFTGFVAAHNKDVLRMKKRYPTTFVMVMLASYFLISMFGVMVFVFGITFPLLLMFIHASLR  
LRNLKNKLENKMEGIGLKRTPMGIVLDALEQQEEGINRLTDYISKVKE

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

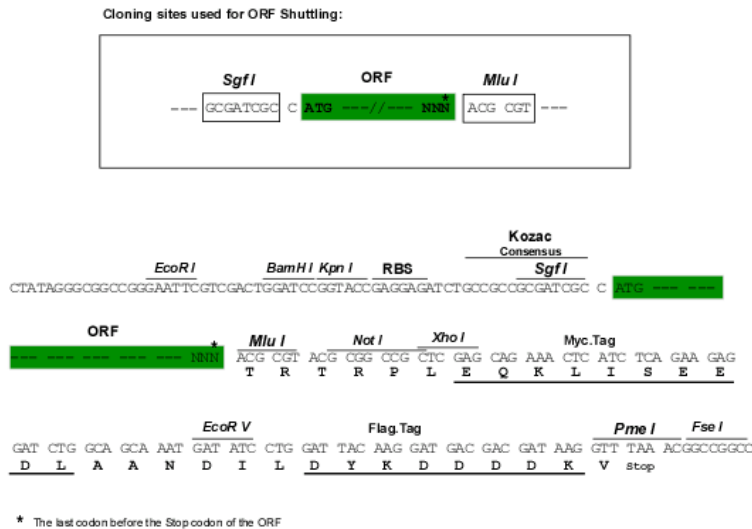


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Chromatograms: [https://cdn.origene.com/chromatograms/mg2755\\_f02.zip](https://cdn.origene.com/chromatograms/mg2755_f02.zip)

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM\_006407

ORF Size: 564 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\\_006407.4](#)

RefSeq Size: 2135 bp

RefSeq ORF: 567 bp

Locus ID: 10550

UniProt ID: [O75915](#)

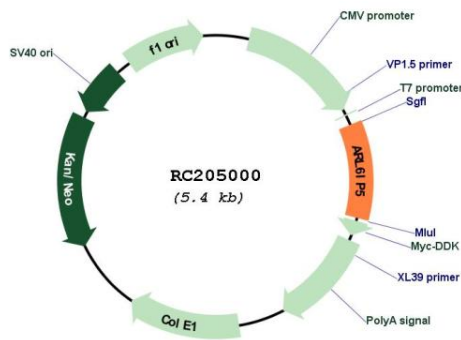
Cytogenetics: 3p14.1

Protein Families: Transmembrane

MW: 21.4 kDa

**Gene Summary:** Expression of this gene is affected by vitamin A. The encoded protein of this gene may be associated with the cytoskeleton. A similar protein in rats may play a role in the regulation of cell differentiation. The rat protein binds and inhibits the cell membrane glutamate transporter EAAC1. The expression of the rat gene is upregulated by retinoic acid, which results in a specific reduction in EAAC1-mediated glutamate transport. [provided by RefSeq, Jul 2008]

**Product images:**



Circular map for RC205000