

## Product datasheet for **RG205000**

### **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:** TurboGFP  
**Symbol:** JWA  
**Synonyms:** addicisin; DERP11; GTRAP3-18; hp22; HSPC127; jmx; JWA; PRAF3; Yip6b  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG205000 representing NM\_006407  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGACGTTAATATCGCCCCACTCCGCGCTGGGACGATTTCTCCCGGTTCCGATCGCTTTGCCCGGC  
CGGACTTCAGGGACATTTCCAAATGGAACAACCGCTAGTGAGCAACCTGCTCTATTACCAGACCAACTA  
CCTGGTGGTGGCTGCCATGATGATTTCCATTGTGGGTTTCTGAGTCCCTCAACATGATCCTGGGAGGA  
ATCGTGGTGGTGGTGTTCACAGGGTTGTGTGGCAGCCACAATAAAGACGCTCTTCGCCGGATGA  
AGAAGCGTACCCACGACGTTCTGTTATGGTGGTCATGTTGGCGAGCTATTTCTTATCTCCATGTTTGG  
AGGAGTCATGGTCTTTGTGTTTGGCATTACTTTTCTTTGCTGTTGATGTTTATCCATGCATCGTTGAGA  
CTTCGGAACCTCAAGAACAACCTGGAGAATAAAATGGAAGGAATAGGTTTGAAGAGGACACCGATGGGA  
TTGTCCTGGATGCCCTAGAACAGCAGGAAGAAGGCATCAACAGACTCACTGACTATATCAGCAAAGTGAA  
GGAA

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >RG205000 representing NM\_006407  
Red=Cloning site Green=Tags(s)

MDVNIAPLRAWDDFFPGSDRFARPDFRDISKWNRRVSNLLYYQTNLYVVAAMMISIVGFLSPFNMLGG  
IVVVLVFTGFVAAHNKDVLRMKKRYPTTFVMVMLASYFLISMFGVMVVFVFGITFPLLLMFIHASLR  
LRNLKNLENKMEGIGLKRTPMGIVLDALEQQEEGINRLTDYISKVKE

**TRTRPLE** - GFP Tag - V

**Restriction Sites:** Sgfl-MluI



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**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

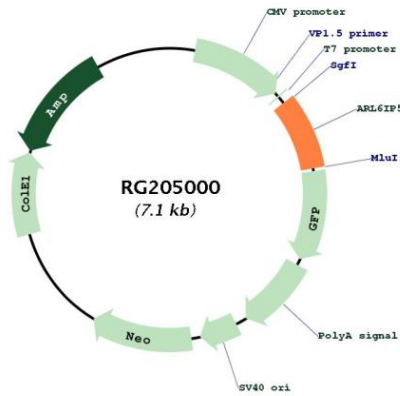
**UniProt ID:** [O75915](#)

**Cytogenetics:** 3p14.1

**Protein Families:** Transmembrane

**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 RG205000