

## Product datasheet for SC116096

### JWA (ARL6IP5) (NM\_006407) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	JWA (ARL6IP5) (NM_006407) Human Untagged Clone
Tag:	Tag Free
Symbol:	JWA
Synonyms:	addicisin; DERP11; GTRAP3-18; hp22; HSPC127; jmx; JWA; PRAF3; Yip6b
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC116096 sequence for NM_006407 edited (data generated by NextGen Sequencing) ATGGACGTTAATATCGCCCCACTCCGCGCCTGGGACGATTTCTTCCCGGGTTCCGATCGC TTTGCCCGCCGACTTCAGGGACATTTCCAAATGGAACAACCGGTAGTGAGCAACCTG CTCTATTACCAGACCAACTACCTGGTGGTGGCTGCCATGATGATTTCCATTGTGGGGTTT CTGAGTCCCTTCAACATGATCCTGGGAGGAATCGTGGTGGTGGTGTTCACAGGGTTT GTGTGGGCGAGCCACAATAAAGACGTCCTTCGCCGGATGAAGAAGCGCTACCCACGACG TTCGTTATGGTGGTCATGTTGGCGAGCTATTTCTTATCTCCATGTTGGAGGAGTCATG GTCTTTGTGTTGGCATTACTTTTCTTTGCTGTTGATGTTTATCCATGCATCGTTGAGA CTTCGGAACCTCAAGAACAACTGGAGAATAAAATGGAAGGAATAGGTTTGAAGAGGACA CCGATGGGCATTGTCCTGGATGCCCTAGAACAGCAGGAAGAAGGCATCAACAGACTCACT GACTATATCAGCAAAGTGAAGGAATAA
	Clone variation with respect to NM_006407.3



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**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_006407 unedited  
 TTGTAATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGGGAAGAACGCAAAGC  
 TGAGAACATGGACGTTAATATCGCCCCACTCCGCGCCTGGGACGATTTCTTCCCGGGTTC  
 CGATCGCTTTGCCCGCCGGACTTCAGGGACATTTCCAATGGAACAACCGCGTAGTGAG  
 CAACCTGCTCTATTACCAGACCAACTACCTGGTGGTGGCTGCCATGATGATTTCCATTGT  
 GGGGTTTTGTGAGTCCCTTCAACATGATCCTGGGAGGAATCGTGGTGGTGGTGGTTCAC  
 AGGGTTTTGTGGGACGCCACAATAAAGACGTCCTTCGCGGGATGAAGAAGCGTACCC  
 CACGACGTTTCGTTATGGTGGTCATGTTGGCGAGCTATTTCTTATCTCCATGTTTGGAGG  
 AGTCATGGTCTTTGTGTTTGGCATTACTTTTCTTTGCTGTTGATGTTTATCCATGCATC  
 GTTGAGACTTCGGAACCTCAAGAACAACCTGGAGAATAAAATGGAAGGAATAGGTTTGAA  
 GAGGACACCGATGGGCATTGTCTGNATGCCCTANAACAGCAGGAAGAAGGCATCAACAG  
 ACTCACTGACTATATNCAGCAAGTGAAGGAATAAACATAACTTACCTGAGCTAGGNTGC  
 AGCAGAAATTGANGTGCAGCTTGCCTTTGTCCAGACCTATTTCTGCTTGCNGTTTTGAA  
 ACAGGGAGTGCACGTACCACCAATTATCTATGGCAGCATGCATGTATAGCCCGACTAT  
 TATCAGCTCTGATGTTTCAGAGAGAAGACCTCAGAAACCGAAGGAAACCACCACCTNCT  
 ATTGTGCTGAAGTTTACGTGTGGTTTATGAAAATAATGGAAATGGATCACCCAATT  
 CCTTAAGGGN

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM\_006407 unedited  
 TTTGGACCGCGGCCGAATCTANAATCGAGTTTTTTTTTTTTTTTTTTTGTCTGTTTGT  
 TTTTAATAAGTCCGTCAGATAATACAGGTTACATAGCTGTAACCATCTAAGGAAAAT  
 GACATTAAGTTTGAACAAATACTTGTGGTGAACACACTACTAGCATTTCAAAAATT  
 TACAAAAATGTAACAAAATATCCTAAACAGCTATTCTTTATATTTTTGTAACGAAGTAT  
 GAACAACCTGGCTTAACAGTTTCCACTGCACATCAACAGGTGGCAAAGTGATAGAGATC  
 ATCTTTGATTTTTAAGAGAATAATAAAAACTAATTTATATCCACACATTACAATTCTAG  
 GGGATTAGGAACAGGCTAACACATGATGACATCTACTTTAACAGCCTTTTCATTTACTCG  
 TATTGTCTTGATACTTTACAATGATTTTTTTTTTCTATAAGATAATCGTATTGTTGCTG  
 TAAAAGCCGTAATTCTTTATTTTTTTTTAATCCCTTAAGAAATCGTGTGATCCATTTCC  
 CATTAGATTTTCATAAACACACGTGAACTTCAGACACAATAGGAGGTGGTGGTTTTCTT  
 TCGGTTTCTGAGGTCTTCTCTCTNGAACATCANAGCTGATAATAGNTNCGGGCTATACAT  
 GCATGTTGCCATAGATAATTGGTGGGACGTGCACCTCTGTTTTCAAACGCAAGCAGAAA  
 ATAGTCTGACAAGGGCAAGCTGAACTAAATTCTGCTGCACCTAGCTCAGTAAGTATGTT  
 AATCCTCCATTTGCTGATTAANCAGGAACTGTTGAAGCTTTTTCTGCTGTCTAAGGCT  
 CCAGAAAATGCCCTGGGGCCTTTAAACTATCCTCCATTTTATCCATTTGTCTTGAGT  
 TCGAATTTAACGTGCTGGTTAACTCACGGCAGGAAAGTTGCCAAACAAAACCTGACTCTC  
 AAATGGAAAAGGAATCCTCCACTGACCCTACA

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_006407

**Insert Size:**

1400 bp

**OTI Disclaimer:**

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

**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\\_006407.3](#), [NP\\_006398.1](#)

**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]