

Product datasheet for **RR216386**

Awat2 (NM_001191724) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Awat2 (NM_001191724) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Awat2
Synonyms: Dgat2l4; RGD1565111
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR216386 representing NM_001191724
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGTTCTGGCCTACCAAGAAGGACCTCAAGACTGCCATGGAGTCTTTGCTCTTTCCAGTGGGCCCTCA
GCGCCTTGGTTATAGTCATCACTGTGATCATGGTCAACCTCTACTTGGTGGTGTTCACATCGTTCTGGCC
TGTCACGTGTGTTGATGCTCCTCTGGTTGGCTTTTGACTGGAAGACACCTGAGCGAGGTGGCCGTCGGTTC
AACTGTGTGAGAAGGTGGTGTCTGTGGAAACACTACAGCAATTACTTCCCACTCAAGATTGTAAGACAA
AAGATATTCCAACCAACCACAACACTACATCCTTGCCTGCCATCCTCATGGGCTGCTGTCCATTCTATGGTT
TGGTCACTTTTCCACTGACACAACAGGCTTTTCCAAGTCTTTCCTGGTATCACTCCTTATATGCTCACA
TTAGGAGCCTTTTTCTGGGTGCCTTTCCTCAGAGAGTATATAATGTCTACAGGGGCTGCTCTGTGAGTC
AATCGTCCATAGACTTTTTGCTTACTCAGAAGGGCACAGGCAACATGCTTGTGTGGTGGTTGGTGGCCT
GGCTGAGTGCAAATACAGCATGCCCGGCTCTACCACCTGTTCTTGAAGAAACGGCAGGGCTTTGTACGC
ACAGCCCTTCGATATGGGGTGTCTCTAATCCCCGCTTATGCCTTGGAGAGGCAGACCTCTATGACCAGC
ACATTTTCACTCCTGGGAGCTTTATCAGTCACTTTCAGAAGTGGTTCAGAAGATGGTACACGCTACCC
CTGTGCTTTCTATGGACGTGGCTTCAACCAAGAACTCCTGGGGCCTTCTGCCATATTCTCAGCCAGTAACC
ACTATTGTCGGGGAACCTCTACCATTGCCCAAGATTGAGAATCCGAGCCAGGAGATTGTGCCAAATACC
ACACACTCTATATTGATGCCCTACGCAAATTGTTTCGATCAGCATAAGACCAAGTTTGGCATCTCAGAGAC
CCAGGAGCTGGTGATAATT

ACGGTACGGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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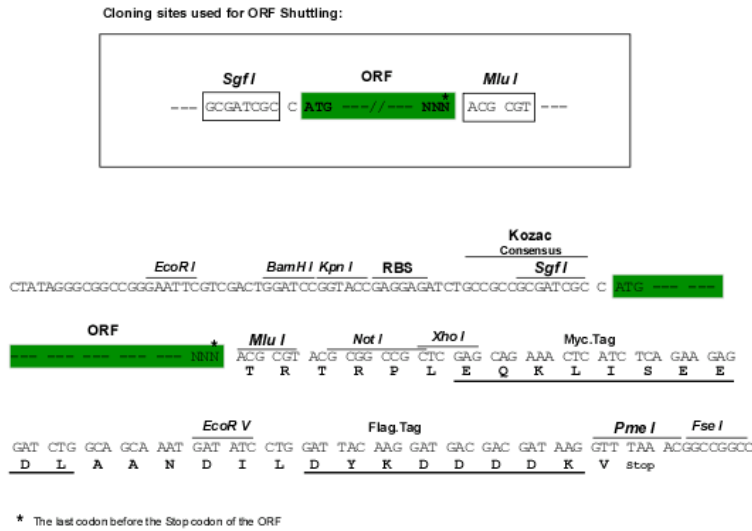
Protein Sequence: >RR216386 representing NM_001191724
Red=Cloning site Green=Tags(s)

MFWPTKKDLKTAMEVFALEFQWALSALVIVITVIMVNLVYLVVFTSFWPVTVLMMLWLAFDWKTPERGGRRF
 NCVRRWCLWKHYSNYFPLKIVKTKDIPTNHNYILACHPHGLLSHSWFGHFSTDTTGFSKIFPGITPYMLT
 LGAFFWVPFLREYIMSTGACSVSQSSIDFLLTQKGTGNMLVVVVGGLAECKYSMPGSTTLFLKKRQGFVR
 TALRYGVSILIPAYAFGEADLYDQHIFTPGSFISHFQKWFQKMHVYPCAFYGRGFTKNSWGLLPYSQPVT
 TIVGEPLPLPKIENPSQEIVAKYHTLYIDALRKLFDQHKTKFGISETQELVII

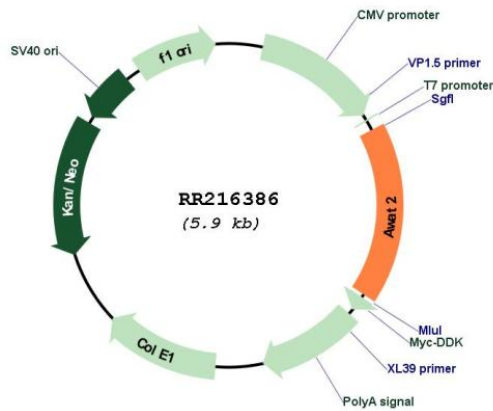
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001191724

ORF Size: 999 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:	<ol style="list-style-type: none">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_001191724.1 , NP_001178653.1
RefSeq Size:	1002 bp
RefSeq ORF:	1002 bp
Locus ID:	302425
Cytogenetics:	Xq22
MW:	38.3 kDa