

Product datasheet for **RR211700**

Arsj (NM_001047887) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Arsj (NM_001047887) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Arsj
Synonyms:	RGD1307640
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR211700 representing NM_001047887
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCCCCAGGGACAGTGCAGCCTCTGCCTCCGCTCTTCCACAGGCCAGGGTCTGGCCTGGAAGA
 TGGTAGCGATGGGTGCCCTGGCAGGCTTCTGGGTCTCAGCCTGATCACCTATGGCTACCTGAGCTGGG
 CCAGGACTTAGAAGAGGAGGGTCCCTAAGGGCTCAAGTTGAAGAGAGACCTGAAGCAGGCACAGCAGTC
 ACCTCCCAGCCCCATCTCATTTTCATACTAGCTGATGATCAGGGATTTAGAGACGTGGGTTACCACGGAT
 CTGAGATAAAGACTCCCCTCTTGACAACTCGCTGCGGAAGGAGTTAAGCTAGAGAACTACTATGTCCA
 GCCTATTTGCACGCCGTCAGGAGTCAGTTTATTACGGAAAAGTATCAGATACACACAGGACTTCAGCAT
 TCTATCATTAGACCTACCAACCAACTGTCTACCTCTGGACAACGCAACCCTACCTCAGAAGCTGAAGG
 AGGTGGCTATTAACCCATATGGTTGGGAAGTGGCACTTGGGATTTACAGAAAAGACTGCATGCCTAC
 CAAGAGAGGATTTGACACCTTTTTGGCTCACTTTTGGGAAGTGGTGATTATTACACACACTACAAATGT
 GACAGTCTGGGTGTGTGGCTATGACTTGTACGAAAACGACAATGCCGCTTGGGACTATGACAATGGCA
 TCTACTCAACACAGATGTACACTCAGAGAGTGCAGCAAATCTTAGCCTCCCACGACCCCAAAAGCCTCT
 GTTTTTATACGTTGCTTACCAAGCTGTCCACTCACCCTGCAAGCCCCTGGCAGGTACTTTGAACACTAT
 AGATCCATTATCAACATAAACAGGAGGAGTATGCGGCCATGCTCTCCTGCTGGATGAAGCGATCCACA
 ATGTGACCCTGGCTCTAAAGAGGTATGGTTTCTATAACAATAGCATTATCATTTACTCCTCAGATAATGG
 TGGGCAGCCACAGCAGGAGGAAGTAACTGGCCTCTCAGAGGCAGCAAAGGAACATATTGGGAAGGAGGC
 ATCCGGCAGTTGGCTTTGTGCACAGCCCACTTCTGAAAAACAAGGAACGGTGTGAAGGAGCTTGTGC
 ACATACCGGATTGGTACCCGACCTTGATTTCACTGGCTGAAGACAGATTGATGAAGACTTCAGCTAGA
 TGGATACGATATCTGGGAGACCATAAGCGAAGGTCTTCGTTACCCCGAGTGGATATTTTGCACAACATT
 GACCCCATCTATACCAAGCAAAAAATGGTTCCTGGGCAGCAGGCTATGGAATCTGGAACACCGCGATCC
 AGTCGGCCATCCGGGTGCAGCACTGAAACTGCTCACAGGAAATCCTGGCTACAGTACTGGGTCCCCCC
 TCAGGCTTTTCAACAATCTGGGCCAAACCGGTGGCACAATGAAAGGATTACCTTGTCAACTGGCAAGAGT
 ATCTGGCTTTTCAACATCACAGCTGATCCATATGAGAGGGTGGACCTATCCAGCAGGTATCCAGGCATTG
 TGAAGAAGTTGCTTCGGAGACTGTCACAGTTCAACAAGACAGCGGTGCCTGTCAGGTACCCCCGAAGGA
 TCCAGAAGCAACCTAGGCTCAACGGAGGAGTCTGGGGTCCGTGGTATAAAGAGGAAAGCAAGAAAAAG
 AAGACAAAACAAACCAAGGCTAAGAAAAAGCAAAAGAAAAGTAAAGCTAGGACGAGGAAGCAGAGGGCAG
 CTCGCTCCTCAACAAAATGCCACCAAGAGTTACCACTGGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR211700 representing NM_001047887
 Red=Cloning site Green=Tags(s)

MAPRDSAEPPLPFPQARVWPGKVMAMGALAGFWVLSLITYGYLSWGQDLEEEGSLRAQVEERPEAGTAV
 TSQPHLIFILADDQGFQFRDVGHYHSEIKTPTLDKLAEEGVKLENYVYQPICTPSRSQFITGKYQIHTGLQH
 SIIRPTQPNCLPLDNATLPQKLKEVGYSTHVMGKWHLGFYRKDCMPTKRGFDTFGSLGSGDYTHYKC
 DSPGVCGYDLYENDNAWDYDNGIYSTQMYTQRVQQILASHDPTKPLFLYVAYQAVHSPLQAPGRYFEHY
 RSIININRRRYAAMLSCLEAIIHNVTLALKRYGFYNNSIIYSSDNGGQPTAGGSNWPLRSGKGTWEGG
 IRAVGFVHSPLLNKNGTVCKELVHITDWPYPTLISLAEGQIDEDIQLDGYDIWETISEGLRSPRVILHNI
 DPIYTKAKNGSWAAGYGIWNTAIQSAIRVQHWKLLTGNPGYSWVPPQAFNLGPNRWHNERITLSTGKS
 IWLFNITADPYERVDLSSRYPGIVKLLRRLSQFNKTAVPVRYPPKDPKSNPRLNGGVWGPWYKEESKKK
 KTNKTKAKKMQKSKARTRKQRAARSSTKCHPRVTTG

TRTRPLEQKLISEEDLAANDILDYKDDDDKVC

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001047887

ORF Size: 1791 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_001047887.1](#), [NP_001041352.1](#)

RefSeq Size: 1794 bp

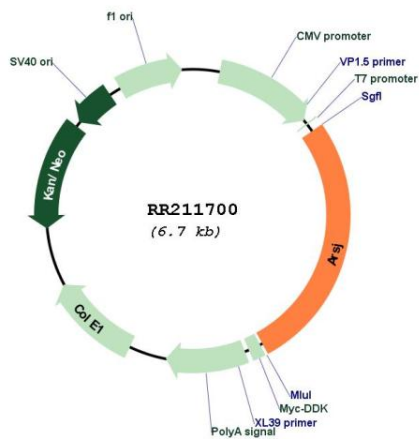
RefSeq ORF: 1794 bp

Locus ID: 311013

Cytogenetics: 2q42

MW: 67.5 kDa

Product images:



Circular map for RR211700