

Product datasheet for **MR224832**

Arsj (NM_173451) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Arsj (NM_173451) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Arsj
Synonyms:	9330196J05Rik; D830047F08
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR224832 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCCCCAGGGACAGTGGGAGCCTCTGCCTCCGCTATCTCCACAGGCTGGGCTGGTCTGAAAGT
 TCTTAGCGATGGGTGCCCTGGCAGGCTTCTCGGTCTCAGCCTGCACCTATGGCTACCTGTGCTGGG
 CCAGGACTTAGAAGAGGAGGGTCCCTAAAAGCTCAAGTTGATGAGAGACCTGAAGCAGGCACAGCAGG
 ACCTCCAGCCCCATCTCATTTTTATCTTAGTGATGATCAGGGATTTAGAGATGTGGGTTACCACGGAT
 CTGAGATAAAGACGCCACCCCTTGATAAATCGCTGCAGAAGGAGTTAAGCTAGAGAACTACTATGTCCA
 GCCTATTTGCACACCGTCCAGGAGCCAGTTTATTACGGAAAAGTATCAGATACACACGGGACTTCAGCAT
 TCTATCATTAGACCTACCAACCAACTGTCTACCTCTGGACAATGCAACCCTACCTCAGAAGCTAAAGG
 AGGTGGCTATTAACCCATATGGTTGGGAAGTGGCACTTGGGATTTACAGAAAAGACTGCATGCCAC
 CAAGAGAGGATTTGATACCTTTTTGGCTCTTTTTGGGAAGTGGTGATTATTATACACACTACAAATGT
 GACAGTCTGGGTGTGTGGCTATGACTTGTACGAAAACGACAATGCAGCTTGGGACTATGACAATGGCA
 TCTATTCAACACAGATGTACACGCAGAGAGTGCAGCAAATCTTAGCCACCCATGATCCCACAAAACCTCT
 ATTTTTATATGTGGCTTACCAAGCTGTCCACTCACCCTCAAGCCCCTGGCAGGTACTTTGAACACTAC
 AGATCCATTATCAACATAAACAGGAGGAGTACGACGCCATGCTCTCCTGCTGGATGAAGCAATCCACA
 ATGTGACCCTGGCCCTAAAGAGGTATGGTTTCTATAACAATAGCATTATCATTTACTCCTCAGATAATGG
 TGGGCAGCCACAGCAGGAGGAAGTAACTGGCCACTCAGAGGCAGCAAAGGAACATATTGGGAAGGAGGC
 ATCCGGCAGTTGGCTTTGTGCATAGCCCACTTCTAAAAACAAGGAACGGTATGTAAGGAACCTGTGC
 ACATACCGGATTGGTACCAACCTTGATTTCACTGGCTGAAGGACAGATTGATGAAGAACTTCAGTAGA
 TGGATACGATATCTGGGAGACCATAAGCGAAGGTCTTCGTTACCCCCAGTGGATATTTTGCACAACATT
 GACCCCATTTACACCAAGGCGAAAAATGGCTCCTGGGCAGCAGGCTATGGGATCTGGAACACTGCAATCC
 AGTCGGCCATCCGGGTACAACACTGAAACTGCTCACAGGCAATCCTGGCTACAGTGACTGGGTCCCCC
 TCAGGCTTTCAGCAATCTGGGCCAAACCGGTGGCACAATGAAAGGATTACCTTGTCACTGGCAAGAGT
 ATCTGGCTTTTCAACATCACGGCTGATCCGTATGAGAGGGTGGACCTATCCAGCAGGTATCCAGGCATCG
 TGAAGAAGCTGCTGCGGAGACTGTCACAATTCAACAAGACTGCCGTGCCTGTCAGGTACCCCCGAAGGA
 TCCAGAAGCAACCTAGGCTCAACGGAGGAGTCTGGGGTCCGTGATAAAGAGGAAAAACAAGAAAAAG
 AAGTCAAAACAAACCAAGGCTAAGAAAAAGCAAAAGAAAAAAGTAAGGCAAGGATGAGGAAGCAGTTGG
 CAGCTCACTCCTCAATAAAATGCCACCAAGTGTGCCACTGGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR224832 protein sequence
 Red=Cloning site Green=Tags(s)

MAPRDSAEPPLPPLSPQAWASGKFLAMGALAGFSVL SLLTYGYLCWGQDLEEEGSLKAQVDERPEAGTAG
 TSQPHLIFILADDQGFQFRDVGHYHSEIKTPTLDKLAAGVKLENYVYVQPICTPSRSQFITGKYQIHTGLQH
 SIIRPTQPNCLPLDNATLPQKLKEVGSTHVMGKWHLGFYRKDCMPTKRGFDTFGSLGSGDYTHYKC
 DSPGVCGYDL YENDNAWDYDNGIYSTQMYTQRVQQILATHDPTKPLFLYVAYQAVHSPLQAPGRYFEHY
 RSIININRRRYAAML SCLDEAIHNVTLALKRYGFYNNSIIYSSDNGGQPTAGGSNWPLRSGKGTWEGG
 IRAVGFVHSPLLNKNGTVCKELVHITDWPYPTLISLAEGQIDEDIQLDGYDIWETISEGLRSPRVILHNI
 DPIYTKAKNGSWAAGYGIWNTAIQSAIRVQHWKLLTGNPGYSDWVPPQAFSNLGNRWHNERITLSTGKS
 IWLFNITADPYERVDLSSRYPGIVKLLRRLSQFNKTA VPVRYPPKDPKPRSNPRLNGGVWGPWYKEENKKK
 KSNKTKAKKMQKKSKARMRQLAAHSSIKCHPSVATG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_173451

ORF Size: 1797 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_173451.3](#), [NP_775627.1](#)

RefSeq Size: 3690 bp

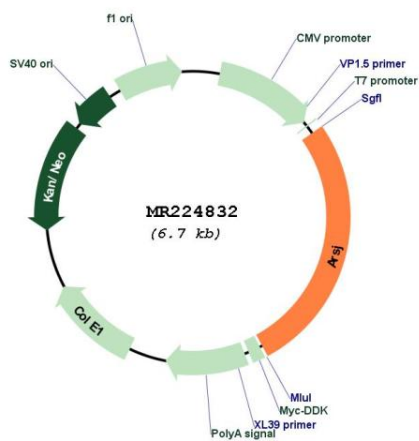
RefSeq ORF: 1797 bp

Locus ID: 271970

UniProt ID: [Q8BM89](#)

Cytogenetics: 3 G1
 MW: 67.4 kDa

Product images:



Circular map for MR224832