

Product datasheet for **MG224832**

Arsj (NM_173451) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Arsj (NM_173451) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Arsj
Synonyms:	9330196J05Rik; D830047F08
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG224832 representing NM_173451
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCCCCAGGGACAGTGGGAGCCTCTGCCTCCGCTATCTCCACAGGCCTGGGCTGGTCTGAAAGT
 TCTTAGCGATGGGTGCCCTGGCAGGCTTCTCGGTCTCAGCCTGCACCTATGGCTACCTGTGCTGGG
 CCAGGACTTAGAAGAGGAGGGTCCCTAAAAGCTCAAGTTGATGAGAGACCTGAAGCAGGCACAGCAGG
 ACCTCCAGCCCCATCTCATTTTTATCTTAGTGATGATCAGGGATTTAGAGATGTGGGTTACCACGGAT
 CTGAGATAAAGACGCCACCCCTTGATAAATCGCTGCAGAAGGAGTTAAGCTAGAGAACTACTATGTCCA
 GCCTATTTGCACACCGTCCAGGAGCCAGTTTATTACGGAAAAGTATCAGATACACACGGGACTTCAGCAT
 TCTATCATTAGACCTACCAACCCAACGTCTACCTCTGGACAATGCAACCCTACCTCAGAAGCTAAAGG
 AGGTGGCTATTAACCCATATGGTTGGGAAGTGGCACTTGGGATTTACAGAAAAGACTGCATGCCAC
 CAAGAGAGGATTTGATACCTTTTTGGCTCTTTTTGGGAAGTGGTGATTATTATACACACTACAAATGT
 GACAGTCTGGGTGTGTGGCTATGACTTGTACGAAAACGACAATGCAGCTTGGGACTATGACAATGGCA
 TCTATTCAACACAGATGTACACGAGAGAGTGCAGCAAATCTTAGCCACCCATGATCCCACAAAACCTCT
 ATTTTTATATGTGGCTTACCAAGCTGTCCACTCACCCTTCAAGCCCCTGGCAGGTACTTTGAACACTAC
 AGATCCATTATCAACATAAAGAGGATAGCAGCCATGCTCTCCTGCTGGATGAAGCAATCCACA
 ATGTGACCCTGGCCCTAAAGAGGTATGGTTTCTATAACAATAGCATTATCATTTACTCCTCAGATAATGG
 TGGGCAGCCACAGCAGGAGGAAGTAACTGGCCACTCAGAGGCAGCAAAGGAACATATTGGGAAGGAGGC
 ATCCGGCAGTTGGCTTTGTGCATAGCCCACTTCTAAAAACAAGGAACGGTATGTAAGGAACATTTGTC
 ACATACCGATTGGTACCAACCTTGATTTCACTGGCTGAAGGACAGATTGATGAAGCAATTCAGTGA
 TGGATACGATATCTGGGAGACCATAAGCGAAGGTCTTCGTTACCCCGAGTGGATATTTTGCACAACATT
 GACCCCATTTACCAAGGCGAAAAATGGCTCCTGGGCAGCAGGCTATGGGATCTGGAACACTGCAATCC
 AGTCGGCCATCCGGGTACAACACTGAAACTGCTCACAGGCAATCCTGGCTACAGTACTGGGTCACCC
 TCAGGCTTTCAGCAATCTGGGCCAAACCGGTGGCACAATGAAAGGATTACCTTGTCAACTGGCAAGAGT
 ATCTGGCTTTTCAACATCACGGCTGATCCGTATGAGAGGGTGGACCTATCCAGCAGGTATCCAGGCATCG
 TGAAGAAGCTGCTGCGGAGACTGTCACAATTCAACAAGACTGCCGTGCCTGTCAGGTACCCCCGAAGGA
 TCCAGAAGCAACCTAGGCTCAACGGAGGAGTCTGGGGTCCGTGATAAAGAGGAAAAACAAGAAAAAG
 AAGTCAAAACAAAACCAAGGCTAAGAAAAAGCAAAAGAAAAAAGTAAGGCAAGGATGAGGAAGCAGTTGG
 CAGCTCACTCCTCAATAAAATGCCACCAAGTGTGCCACTGGC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG224832 representing NM_173451
 Red=Cloning site Green=Tags(s)

MAPRDSAEPLPPLSPQAWASGKFLAMGALAGFSVLSLLTYGYLCWGQDLEEEGSLKAQVDERPEAGTAG
 TSQPHLIFILADDQGFQDVGYHGSEIKTPTLDKLAEEGVKLENYVYVQPICTPSRSQFITGKYQIHTGLQH
 SIIRPTQPNCLPLDNATLPQKLKEVGYSTHVMGKWHLGFYRKCMPKRGFDFFGSLGSDYYTHYKC
 DSPGVCYDLYENDNAAWDYDNGIYSTQMYTQVRVQILATHDPTKPLFLYVAYQAVHSPLQAPGRYFEHY
 RSIININRRRYAAML SCLDEAIHNVTLALKRYGFYNNSIIYSSDNGGQPTAGGSNWPLRGSKGTWEGG
 IRAVGFVHSPLLNKNGTVCKELVHITDWYPTLISLAEGQIDEDIQLDGYDIWETISEGLRSPRVLDLHNI
 DPIYTKAKNGSWAAGYGIWNTAIQSAIRVQHWKLLTGNGPYSDWVPPQAFSNLGNRWHNERITLSTGKS
 IWLFNITADPYERVDLSSRYPGIVKLLRRLSQFNKTAVPVRYPPKDRSNPRLNGGVWGPWYKEENKKK
 KSNKTKAKKMQKKKSKARMRQLAAHSSIKCHPSVATG

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

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_173451.3 , NP_775627.1
RefSeq Size:	3690 bp
RefSeq ORF:	1797 bp
Locus ID:	271970
UniProt ID:	Q8BM89
Cytogenetics:	3 G1