

## Product datasheet for MR204155

### Jam2 (NM\_023844) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Jam2 (NM_023844) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Jam2
Synonyms:	1110002N23Rik; 2410030G21Rik; 2410167M24Rik; JAM-2; JAM-B; Jcam2; VE-JAM
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR204155 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCGAGGAGCCCCAAGGCCTCCTGATGCTGCTGCTGCTACACTACTTGATCGTCGCCCTGGACTATC  
ATAAGGCAAAATGGGTTTTCTGCATCAAAAGACCACCGTCAAGAAGTACAGTAATAGAGTTCCAAGAGGC  
TATTTTGGCTTGTAAAACCCCAAAGAAGACTACCTCCTCCAGACTGGAGTGAAGAAGGTGGACAGGGG  
GTCTCCTTGGTCTACTACCAACAGGCTCTCCAAGGTGACTTTAAAGACCGTGTGAGATGATAGATTTCA  
ATATACGAATCAAAAATGTTACAAGAAGTATGCTGGAGAGTATCGCTGTGAAGTCAGCGCTCCGACTGA  
GCAAGGCCAGAACCTGCAGGAAGATAAAGTCATGCTAGAACTACTAGTGGCTCCTGCTGTTCTGCCTGT  
GAAGTGCCCACTTCTGTTATGACTGGAAGTGTGGTGGAGTACGATGCCAGGATAAAGAAGGAAACCCAG  
CTCCGGAGTACATCTGGTTAAAGATGGCACAAGTTTGCTAGGGAATCCAAAAGGCGGCACACACAACAA  
CAGCTCGTACACAATGAACACGAAGTCTGGAATTCTGCAATTCACATGATTTCCAAGATGGACAGTGGG  
GAGTATTACTGCGAAGCCCGAACTCTGTCGGACACCGCAGGTGCCCTGGGAAGCGAATGCAAGTAGATG  
TTCTCAACATAAGCGGCATCATAGCAACGGTTGTGGTGGTGGCCCTTCGTATTTCTGTATGTGGCCTTG  
CACATGCTATGCTCAGAGGAAAGGCTACTTTTCAAAGAACTTCCTCCAGAAGGGCAGTCTGCATCT  
AAAGTCACTACGATGAGCGAAAAATGATTTCAAGCACACAAAATCCTTTATAATT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR204155 protein sequence  
Red=Cloning site Green=Tags(s)

MARSPQGLMLLLLHYLIVALDYHKANGFSASKDHRQEVTVIEFQEAILACKTPKKTSSRLEWKKVQGQ  
VSLVYYQALQGDFKDRAEMIDFNIRIKNVTRSDAGEYRCEVSAPTEQGQNLQEDKVMLEVLVAVAVPAC  
EVPTSVMTGSVVELRCQDKEGNPAPEYIWFKDGTSLLGNPKGGTHNNSYTMNTKSGILQFNMISKMDSG  
EYYCEARNSVGHRRCPGKRMQVDVLNISGIIATVVVAVFVIVSVCGLGTCYAQRKGYFSKETSFQKGPAS  
KVTTMSEDFKHTKSFII

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_023844

**ORF Size:** 897 bp

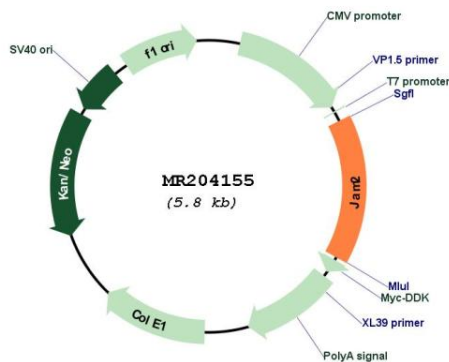
**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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.

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_023844.5</a> , <a href="#">NP_076333.3</a>
<b>RefSeq Size:</b>	4822 bp
<b>RefSeq ORF:</b>	897 bp
<b>Locus ID:</b>	67374
<b>UniProt ID:</b>	<a href="#">Q9J159</a>
<b>Cytogenetics:</b>	16 C3.3
<b>MW:</b>	33 kDa
<b>Gene Summary:</b>	May play a role in the processes of lymphocyte homing to secondary lymphoid organs. [UniProtKB/Swiss-Prot Function]

## Product images:



Circular map for MR204155