

## Product datasheet for **RR214941**

### Jam3 (NM\_001004269) Rat Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Jam3 (NM\_001004269) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Jam3  
**Synonyms:** MGC94974  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR214941 representing NM\_001004269  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCGCTGAGCCGGCGGCTGCGACTTCGCTGTGCGCGGGCTACCCGACTTCTTCTGCTGCTGCTCT  
TCAGGGGCTGCGTATAGAGGCAGTGAACCTCAAATCCAGCAACCGCAACCCAGTGGTTCATGAATTTGA  
AAGTGTGGAATTGCTTTGTATCATTACGGACTCACAGACAAATGACCCTAGGATTGAATGGAAGAAAATT  
CAAGATGGCCAAACCACATATGTGATTTTTGACAACAAGATTCAAGGAGACCTGGCCGGTCGCACAGATG  
TGTTTGAAAAAATTCCTGAGGATCTGGAACGTGACACGGTCAGACTCAGCCATCTATCGCTGTGAGGT  
TGTTGCTCTAAATGACCGAAAAGAAGTTGATGAGCTTACCATTGAGTTAATTGTGCAAGTGAAGCCAGTG  
GCCCTGTGTGCAGAGTTCCAAAGGCTGTGCTGTTGGCAAGGCAGCAACACTGCAATGCCAAGAGAGCG  
AGGGCTATCCTCGGCCGTAACAGCTGGTACCGCAATGATGTGCCACTGCCTACGGATTCCAGAGCCAA  
TCCCAGTTCCAGAATTCCTCCTCCACGTGAACCTCGGAGACAGGCACTCGGTTTTCAAGTGTGCTGTCAC  
AAGGAAGACTCTGGCAATATTACTGCATTGCTTCCAATGACGCAGGCGCAGCCCGGTGTGAGGGGCAGG  
ACATGGAAGTCTATGATTTGAACATTGCTGGGATTATTGGGGAGTCTGGTTGCTCTTATTGTTCTTGC  
TGTGATACAATGGGCATCTGCTGTGCGTACAGACGAGGCTGCTTCATCAGCAGTAAACAGGATGGAGAA  
AGTTATAAAAGCCAGGGAAGCATGAAGGCGTTAACTACATCCGACAAGTGAAGAGGGTGAAGTTCAGAC  
ACAAGTATCCTTTGTTATC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR214941 representing NM\_001004269  
 Red=Cloning site Green=Tags(s)

MALSRRLRLRLCARLPDFFLLLLFRGCVIEAVNLKSSNRNPVVHEFESVELSCIITDSQTNDPRIEWKKI  
 QDGQTTYVYFDNKIQGDLAGRTDVFGKTSRIWNVTRSDSAIYRCEVVALNDRKEVDEL TIELIVQVKPV  
 APVCRVPKAVPVGKAATLQCQESEGYRPPYYSWRNDVPLPTDSRANPRFQNSSFHVNSETGTLVFSAVH  
 KEDSGQYYCIASNDAGAARCEGQDMEVYDLNIAGIIGGLVVLIVLAVITMGICCA YRRGCFISSKQDGE  
 SYKSPGKHEGVNYIRTSEEGDFRHKSSFVI

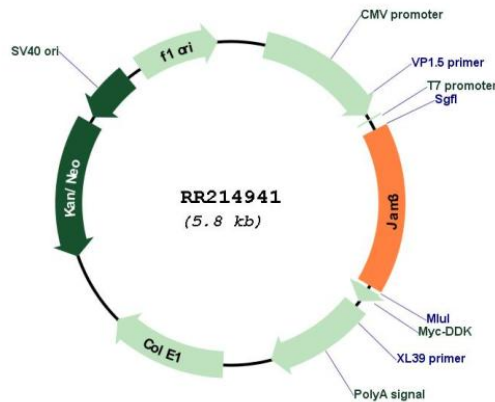
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_001004269

ORF Size: 930 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	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_001004269.1</a> , <a href="#">NP_001004269.1</a>
<b>RefSeq Size:</b>	1912 bp
<b>RefSeq ORF:</b>	933 bp
<b>Locus ID:</b>	315509
<b>UniProt ID:</b>	<a href="#">Q68FQ2</a>
<b>Cytogenetics:</b>	8q13
<b>MW:</b>	34.8 kDa
<b>Gene Summary:</b>	Mediates cell-cell adhesion. Functions as counter-receptor for JAM2. Functions as a counter-receptor for ITGAM, mediating leukocyte-platelet interactions and is involved in the regulation of transepithelial migration of polymorphonuclear neutrophils (PMN). Plays a role in angiogenesis. May play a role in the regulation of cell migration (By similarity). Required for normal polarization and acrosome formation in developing spermatids, and for normal male fertility (By similarity).[UniProtKB/Swiss-Prot Function]