

Product datasheet for **MR204404**

Jam3 (NM_023277) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Jam3 (NM_023277) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Jam3
Synonyms:	1110002N23Rik; JAM-3; JAM-C; Jcam3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR204404 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGCTGAGCCGGCGGCTGCGACTTCGACTGTACGCGCGGCTGCCTGACTTCTTCTGCTGCTGCTCT
TCAGGGGCTGCATGATAGAGGCAGTGAATCTCAAATCCAGCAACCGAAACCCAGTGGTACATGAATTTGA
AAGTGTGGAATTGTCTTGCATCATTACGGACTCACAGACAAGTGACCCTAGGATTGAATGGAAGAAAATC
CAAGATGGCCAAACCACATATGTGATTTTACAACAAGATTCAAGGAGACCTGGCAGGTCGCACAGATG
TGTTTGGAAAACTTCCCTGAGGATCTGGAATGTGACACGATCGGATTCAGCCATCTATCGTGTGAGGT
CGTTGCTCTAAATGACCGAAAAGAAGTTGATGAGATTACCATGAGTTAATTGTGCAAGTGAAGCCAGTG
ACCCCTGTCTGCAGAATCCAGCCGCTGTACCTGTAGGCAAGACGGCAACACTGCAGTGCCAAGAGAGCG
AGGGCTATCCCCGGCCTCACTACAGCTGGTACCGCAATGATGTGCCACTGCCTACAGATTCAGAGCCAA
TCCCAGGTTCCAGAATCCTCTTTCCATGTGAACCTCGGAGACAGGCACTCTGGTTTTCAATGCTGTCCAC
AAGGATGACTCTGGGCAGTACTACTGCATTGCTTCCAATGACGCAGGTGCAGCCAGGTGTGAGGGGCAGG
ACATGGAAGTCTATGATTTGAACATTGCTGGGATTATTGGGGAGTCCTTGTTCCTTATTGTTCTTGC
TGTGATTACGATGGGCATCTGCTGTGCGTACAGACGAGGCTGCTTCATCAGCAGTAAACAAGATGGAGAA
AGCTATAAGAGCCCAGGAAGCATGACGGTGTTAACTACATCCGGACGAGTGAGGAGGGTGACTTCAGAC
ACAAATCGTCCTTTGTTATC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR204404 protein sequence
Red=Cloning site Green=Tags(s)

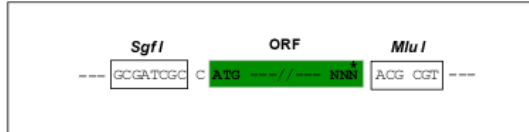
MALSRRLRLRLYARLPDFFLLLLFRGCMIEAVNLKSSNRNPVVHEFESVELSCIITDSQTSDPRIEWKKI
 QDGQTTYVYFDNKIQGDLAGRTDVFGKTSRLRIWNVTRSDSAIYRCEVVALNDRKEVDEITIELIVQVKPV
 TPVCRIPAAVPVGKTATLQCQESEGYRPHYSWYRNDVPLPTDSRANPRFQNSSFHVNSEGTLVFNAVH
 KDDSGQYYCIASNDAGAARCEGQDMEVYDLNIAGIIGGLVVLIVLAVITMGICCA YRRGCFISSKQDGE
 SYKSPGKHDGVNYIRTSEEGDFRHKSSFVI

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_023277

ORF Size: 933 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_023277.1](#), [NM_023277.2](#), [NM_023277.3](#), [NM_023277.4](#), [NP_075766.1](#)

RefSeq Size: 1986 bp

RefSeq ORF: 933 bp

Locus ID: 83964

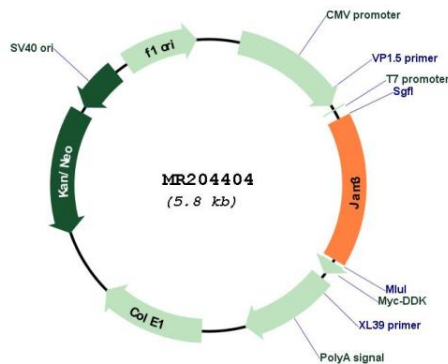
UniProt ID: [Q9D8B7](#)

Cytogenetics: 9 A4

MW: 34.8 kDa

Gene Summary: Mediates cell-cell adhesion. Functions as counter-receptor for JAM2 (PubMed:15372036). Functions as a counter-receptor for ITGAM, mediating leukocyte-platelet interactions and is involved in the regulation of transepithelial migration of polymorphonuclear neutrophils (PMN) (By similarity). Plays a role in angiogenesis (PubMed:15994945). 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 (PubMed:15372036). [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR204404