

## Product datasheet for **MC202120**

### Jam3 (NM\_023277) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Jam3 (NM_023277) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Jam3
Synonyms:	1110002N23Rik; JAM-3; JAM-C; Jcam3
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >BC024357 sequence for NM\_023277  
GCCTGAGCCCCTCACATCCCCTCGACATGGCGCTGAGCCGGCGCTGCGACTTCGACTGTACGCGCGGC  
TGCTGACTTCTTCTGTGCTGCTCTTCAGGGCTGCATGATAGAGGCAGTGAATCTCAAATCCAGCAA  
CCGAAACCCAGTGGTACATGAATTTGAAAGTGTGGAATTTGCTTGCATCATTACGGACTCACAGACAAGT  
GACCCTAGGATTGAATGGAAGAAAATCCAAGATGGCCAAACCACATATGTGATTTTGACAACAAGATTC  
AAGGAGACCTGGCAGGTGCACAGATGTGTTTGGAAAACTCCCTGAGGATCTGGAATGTGACACGATC  
GGATTACGCCATCTATCGCTGTGAGGTCGTTGCTCTAAATGACCGAAAAGAAGTTGATGAGATTACCATT  
GAGTTAATTGTGCAAGTGAAGCCAGTGACCCCTGTCTGCAGAATCCAGCCGCTGTACCTGTAGGCAAGA  
CGCAACACTGCAAGTCCAAGAGAGCGAGGGCTATCCCCGGCCTCACTACAGCTGGTACCGAATGATGT  
GCCACTGCCTACAGATCCAGAGCCAATCCCAGGTTCCAGAATTCCTCTTTCCATGTGAACCTCGGAGACA  
GGCACTCTGGTTTTCAATGCTGTCCACAAGGATGACTCTGGGCAGTACTACTGCATTGCTTCCAATGACG  
CAGGTGCACCCAGGTGTGAGGGGCAGGACATGGAAGTCTATGATTTGAACATTGCTGGGATTATTGGGG  
AGTCTTGTGTCTTATTGTTCTTGTGTGATTACGATGGGCATCTGCTGTGCTACAGACGAGGCTGC  
TTCATCAGCAGTAAACAAGATGGAGAAAGCTATAAGAGCCAGGGAAGCATGACGGTGTTAACTACATCC  
GGACGAGTGAGGAGGGTACTTCAGACACAATCGTCCTTTGTTATCTGACACCTGTCGGCTGGGAGAGC  
ACATGCAAGTACCTCTGTGGAAAGCTGGTCACAGGGCTGCTGTGAGCCAGAGCTCTGACAAGCCACC  
CGGCAGAAAGCTTTTTGTTTTGGCCAAAGTTGATGACTCCTTCCTTCCTTCCTTCCTTTAACAAAGCCA  
CAAGAATAAAAGGAAGCCTCTGAAGATGGATGTAGACACAGACTGTTGCTAGCCTGACCTCATTATGGG  
GATTAGGGTGATCTTCAAGGCCTTTCTGGTCTCCGTTCTCCCATGCAGGGCAATTTGGACTGTTTTGGC  
CCAGGCTGTTAGCTGCCAGGACAACACTGGCAGAGAGAGGCTGAGGGCGTGGGCTGCAGTAGCAGCAGG  
CAACAGCTGATGCCTGTGACAGTGCCAGGAAGGTTTTAGGCAAGTGCCTTGTCCCTGGACCCTGAC  
CCACCGTGTGCTCTGTTGATTGGCCAGTACTGTCAATTCATCCTGGAGAATGTGTTTGAATCAGCA  
TTTTATAAAAAACCCAAATCAGAAAGGTGAAATGCTTGGTGGGAAAGGGCTCTGACCCAGGAACTCT  
CCTTCCCAAGAGATGCCAGGAGATAGGAGAACCCTGTCTTAAGTCTGAAATGGTACTGAAGTCTCCT  
TTTCTATTGCTCTGCTTATTTTATAAAAAATTAACATTCTAAATTTGCTAGAGATGATTTTATTAC  
TGAAAATTTCTATATAAACTGTAATATATTGCCATACAGTGTTCAAAACGTATTTTTTATAATGAGT  
TCAACTTAAGGTAGAAGGCTTGGCTGCTAGTGTTAATTGGAAAATACCAGTAGTAAAGCTTTTTAAGG  
AGTTTTCTTAAGGAGGCTGGCTGAATATCCTTTGTTCAAAGAAGTTTTAGCATTTTTCATAAGAAAAC  
TACTCTGTCTGACCACTGTTGCTTAGGAAACCATTAAGAATCCAATCTAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** RsrII-NotI

**ACCN:** NM\_023277

**Insert Size:** 933 bp

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

**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: [BC024357](#), [AAH24357](#)

RefSeq Size: 1957 bp

RefSeq ORF: 933 bp

Locus ID: 83964

UniProt ID: [Q9D8B7](#)

Cytogenetics: 9 A4

**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]