

Product datasheet for **RN214941**

Jam3 (NM_001004269) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Jam3 (NM_001004269) Rat Untagged Clone
Tag: Tag Free
Symbol: Jam3
Synonyms: MGC94974
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN214941 representing NM_001004269
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCGCTGAGCCGGCGGCTGCGACTTCGCTGTGCGCGGGCTACCCGACTTCTTCTGCTGCTGCTCT
 TCAGGGGCTGCGTGATAGAGGCAGTGAACCTCAAATCCAGCAACCGCAACCCAGTGGTTCATGAATTTGA
 AAGTGTGGAATTGCTTTGTATCATTACGGACTCACAGACAAATGACCCTAGGATTGAATGGAAGAAAATT
 CAAGATGGCCAAACCACATATGTGATTTTGACAACAAGATTCAAGGAGACCTGGCCGGTCGCACAGATG
 TTTTTGGAAAACTTCCCTGAGGATCTGGAACGTGACACGGTCAGACTCAGCCATCTATCGCTGTGAGGT
 TGTGCTCTAAATGACCGAAAAGAAGTTGATGAGCTTACCATTGAGTTAATTGTGCAAGTGAAGCCAGTG
 GCCCTGTGTGCAGAGTTCCAAAGGCTGTGCCTGTTGGCAAGGCAGCAACACTGCAATGCCAAGAGAGCG
 AGGGCTATCCTCGGCCGTAACAGCTGGTACCGCAATGATGTGCCACTGCCTACGGATTCCAGAGCCAA
 TCCCAGTTCCAGAATTCCTCCTCCACGTGAACCTCGGAGACAGGCACTCGGTTTTCACTGCTGTGCAC
 AAGGAAGACTCTGGCAATATTACTGCATTGCTTCCAATGACGCAGGCGCAGCCCGGTGTGAGGGGCAGG
 ACATGGAAGTCTATGATTTGAACATTGCTGGGATTATTGGGGAGTCTGGTTGTCTTATTGTTCTTGC
 TGTGATCACAATGGGCATCTGCTGTGCGTACAGACGAGGCTGCTTCATCAGCAGTAAACAGGATGGAGAA
 AGTTATAAAAGCCAGGGAAGCATGAAGGCGTTAACTACATCCGGACAAGTGAAGAGGGTGACTTCAGAC
 ACAAGTCATCCTTTGTTATCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001004269
Insert Size: 933 bp



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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:	<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_001004269.1 , NP_001004269.1
RefSeq Size:	1912 bp
RefSeq ORF:	933 bp
Locus ID:	315509
UniProt ID:	Q68FQ2
Cytogenetics:	8q13
Gene Summary:	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]