

Product datasheet for **MG204404**

Jam3 (NM_023277) Mouse Tagged ORF Clone

Product data:

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|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Jam3 (NM_023277) Mouse Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | Jam3 |
| Synonyms: | 1110002N23Rik; JAM-3; JAM-C; Jcam3 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |
| ORF Nucleotide Sequence: | >MG204404 representing NM_023277 Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGCTGAGCCGGCGGCTGCGACTTCGACTGTACGCGCGGCTGCCTGACTTCTTCTGCTGCTGCTCT
TCAGGGGCTGCATGATAGAGGCAGTGAATCTCAAATCCAGCAACCGAAACCCAGTGGTACATGAATTTGA
AAGTGTGGAATTGTCTTGCATCATTACGGACTCACAGACAAGTGACCCTAGGATTGAATGGAAGAAAATC
CAAGATGGCCAAACCACATATGTGATTTTACAACAAGATTCAAGGAGACCTGGCAGGTCGCACAGATG
TGTTTGGAAAAACTTCCCTGAGGATCTGGAATGTGACACGATCGGATTCAGCCATCTATCGCTGTGAGGT
CGTTGCTCTAAATGACCGAAAAGAAGTTGATGAGATTACCATGAGTTAATTGTGCAAGTGAAGCCAGTG
ACCCCTGTCTGCAGAATCCAGCCGCTGTACCTGTAGGCAAGACGGCAACACTGCAGTGCCAAGAGAGCG
AGGGCTATCCCGGCCTCACTACAGCTGGTACCGCAATGATGTGCCACTGCCTACAGATTCAGAGCCAA
TCCCAGGTTCCAGAATCCTCTTTCCATGTGAACCTCGGAGACAGGCACTCTGGTTTTCAATGCTGTCCAC
AAGGATGACTCTGGGCAGTACTACTGCATTGCTTCCAATGACGCAGGTGCAGCCAGGTGTGAGGGGCAGG
ACATGGAAGTCTATGATTTGAACATTGCTGGGATTATTGGGGAGTCCTTGTTCCTTATTGTTCTTGC
TGTGATTACGATGGGCATCTGCTGTGCGTACAGACGAGGCTGCTTCATCAGCAGTAAACAAGATGGAGAA
AGCTATAAGAGCCCAGGAAGCATGACGGTGTTAACTACATCCGGACGAGTGAGGAGGTTGACTTCAGAC
ACAAATCGTCCTTTGTTATC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG204404 representing NM_023277
Red=Cloning site Green=Tags(s)

MALSRRLRLRLYLARLPDFFLLLLFRGCMIEAVNLKSSNRNPVVHEFESVELSCIITDSQTSDPRIEWKKI
 QDGQTTYVYFDNKIQGDLAGRTDVFGKTSRLRIWNVTRSDSAIYRCEVVALNDRKEVDEITIELIVQVKPV
 TPVCRIPAAVPVGKTATLQCQESEGYRPHYSWYRNDVPLPTDSRANPRFQNSSFHVNSETGTLVFNVAH
 KDDSGQYYCIASNDAGAARCEGQDMEVYDLNIAGIIGGLVVLIVLAVITMGICCAARRGCFISSKQDGE
 SYKSPGKHDGVNYIRTSEEGDFRHKSSFVI

TRTRPLE - GFP Tag - V

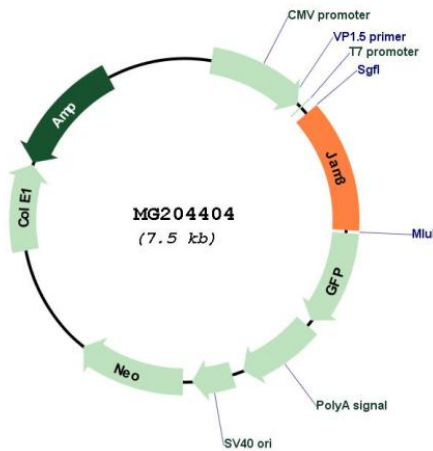
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_023277

ORF Size: 930 bp

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| 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: | <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_023277.1 , NP_075766.1 |
| RefSeq Size: | 1941 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] |