

## Product datasheet for **MC201873**

### Jaml (NM\_001005421) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Jaml (NM_001005421) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Jaml
Synonyms:	AMICA; Amica1; Crea7; Gm638
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001005421, the custom clone sequence may differ by one or more nucleotides

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CCCAGACAGAATCTGGCTCACATTGGCACTCACTGTTAGTTTGTTCAGTTAACAGTGTCTCTGGATATA
ATTTTCTGATTTCTTTTTAATCTTAAGATTGAAAACCTGAAAGGATAATGCTTTGCCTCTGAACTGA
TTGTGATTCCAGTAATCTGGCCCTGTAGGTTATCCACAGGGCCTGCCAGGCTTGACCGTTTCTCCCC
TCAGCTGAGAGTGCATGTGGTGAATCAGTCTTGATGGGATGTGTGTCCAGCGCACAGAAGAGAAAAC
GTGGACAGAGTGGATTGGCTCTTCTCGAAAGATAAAGATGATGCGAGTGAATATGTGCTGTTCTACTATT
CCAACCTTAGCGTGCCTACGGGGCGCTTCCAGAACCGGTACATTTGGTGGGGGACACCTCCATAATGA
TGTTTCTCTCCTGCTCCAAGATGTTCCAGAAGCCGATGAGGGAATCTACACCTGTGAAATCCGCCTCAA
AATGAGAGCATGGTGATGAAAAAGCCCGTGAACCTGTGGGTGCTACCAGAGGAACCTAAAGATCTCAGAG
TCCGAGTAGGTGATACAACCTCAGATGAGATGTTCTATCCAGAGCACAGAAGAGAAAACGGGTGACCAAAGT
AACTGGATGTTTTCTTCAGGGAGCCATACTGAGGAGGAGACAGTCTTGAGCTATGACTCCAACATGCGT
AGTGAAAAATCCAGAGCCTGGGCGCTTCCGCAACCGTGTAGACCTGACAGGTGACATCTCCCGCAATG
ATGGCTCAATCAAACCTCAAACAGTGAAGGAGTCTGACCGAGGAATCTACACTTGCGCATCTACGTGGG
AAAGCTGGAGTCCAGGAAAACATTGTGCTGCATGTGGTCCAGGACGAATTTCAAAGGACAATTTACCA
ACTCCTCAAACCTGATAAGGGTCAGCAGGGCATCCTGAATGGAAATCAGCTGGTGTGATCATTGTGGGATCG
TCTGTGCCACCTTCTGCTGCTTCCGGTTTTGATATTAATTGTGAAGAAAAGCCAAGTGAATAAGAGCTC
AGTAAGTTCTATGGCTTCTGTGAAGAGCCTGGAGAACAAGAGAAGATTAAATCCAGAGAAGCATATCTAC
TCTCCATAACTACGTGGGAGACGACAGAGAGGAATAAGTGGAGAGTCAAGGGCACCTACATGACCA
TGAATCCAGTTTGGCCTTCTTCCCCAAAGCATCCAGTTTGGTCCGCTCTTCAGTCAGATCCAAGTAATG
TGGTTGAAAAAAAAAAAAAAAAAAAA
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Restriction Sites: RsrII-NotI



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<b>ACCN:</b>	NM_001005421
<b>Insert Size:</b>	1140 bp
<b>OTI Disclaimer:</b>	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).
<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="#">BC050133</a> , <a href="#">AAH50133</a>
<b>RefSeq Size:</b>	1284 bp
<b>RefSeq ORF:</b>	1140 bp
<b>Locus ID:</b>	270152
<b>UniProt ID:</b>	<a href="#">Q80UL9</a>
<b>Cytogenetics:</b>	9 A5.2
<b>Gene Summary:</b>	Transmembrane protein of the plasma membrane of leukocytes that control their migration and activation through interaction with CXADR, a plasma membrane receptor found on adjacent epithelial and endothelial cells. The interaction between both receptors mediates the activation of gamma-delta T-cells, a subpopulation of T-cells residing in epithelia and involved in tissue homeostasis and repair. Upon epithelial CXADR-binding, JAML induces downstream cell signaling events in gamma-delta T-cells through PI3-kinase and MAP kinases. It results in proliferation and production of cytokines and growth factors by T-cells that in turn stimulate epithelial tissues repair. It also controls the transmigration of leukocytes within epithelial and endothelial tissues through adhesive interactions with epithelial and endothelial CXADR.[UniProtKB/Swiss-Prot Function]