

Product datasheet for RC237681

JAML (NM_001286570) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	JAML (NM_001286570) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	JAML
Synonyms:	AMICA; AMICA1; CREA7-1; CREA7-4; Gm638
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC237681 representing NM_001286570 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGGATGTGTTTCCAGAGCACAGAAGACAAATGTATATCAAGATAGACTGGACTCTGTACCAGGAG
AGCACGCCAAGGACGAATATGTGCTATACTATTACTCCAATCTCAGTGTGCCTATTGGGCGCTTCCAGAA
CCGCGTACACTTGATGGGGGACATCTTATGCAATGATGGCTCTCCTGCTCCAAGATGTGCAAGAGGCT
GACCAGGGAACCTATATCTGTGAAATCCGCCTCAAAGGGGAGAGCCAGGTGTTCAAGAAGCGGTGGTAC
TGCATGTGCTTCCAGAGGAGCCAAAGAGCTCATGGTCCATGTGGTGGATTGATTTCAGATGGGATGTGT
TTTCCAGAGCACAGAAGTAAAACACGTGACCAAGGTAGAATGGATATTTTCAGGACGGCGCGCAAAGGAG
GAGATTGTATTTTCGTTACTACCAAACTCAGGATGTCTGTGGAGTACTCCAGAGCTGGGGCCACTTCC
AGAATCGTGTGAACCTGGTGGGGACATTTCCGCAATGACGGTTCATCATGCTTCAAGGAGTGAGGGA
GTCAGATGGAGGAACTACACCTGCAGTATCCACCTAGGGAACCTGGTGTCAAGAAAACATTGTGCTG
CATGTGAGCCCGAAGAGCCTCGAACACTGGTGACCCCGCAGCCCTGAGGCCTCTGGTCTTGGGTGGTA
ATCAGTTGGTGATCATTGTGGAAATTGTCTGTGCCACAATCCTGCTGCTCCCTGTTCTGATTTGATGCT
GAAGAAGACCTGTGAAAATAAGAGTTTCAGTGAATTTACAGTCTTGGTGAAGAACACGAAGAAGACTAAT
CCAGAGATAAAAAGAAAAACCTGCCATTTTGAAGATGTGAAGGGGAGAAACACATTTACTCCCAATAA
TTGTACGGGAGGTGATCGAGGAAGAAGAACCAAGTAAAAATCAGAGGCCACCTACATGACCATGCACCC
AGTTTGGCCTTCTCTGAGGTCAGATCGGAACAACCTCACTTGAAAAAAGTCAGGTGGGGGAATGCCAAAA
ACACAGCAAGCCTTT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >RC237681 representing NM_001286570
 Red=Cloning site Green=Tags(s)

MGCVFQSTEDKCIFKIDWTLSPGEHAKDEYVLYYNSLSVPIGRFQNRVHLMGDILCNDGSLLLQDVQEA
 DQGTYYICEIRLKGESQVFKKAVVLHVLPEEPKELMVHVGGLIQMGCVFQSTEVKHVTKVEWIFSGRRAKE
 EIVFRYYHKLMSVEYSQSWGHFQNRVNLVGDIFRNDGSIMLQGVRESDDGNYTCSIHLGNLVFKKTIVL
 HVSPEEPRTLVTPAALRPLVLGGNQLVIVGIVCATILLPLVILIVKKT CGNKSSVNSTVLVKNTKKTN
 PEIKEPCHFERCEGEKHIYSPIIVREVIEEEEEPEKSEATYMTMHPVWPSLRSDRNSLEKKSGGMPK
 TQQAF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

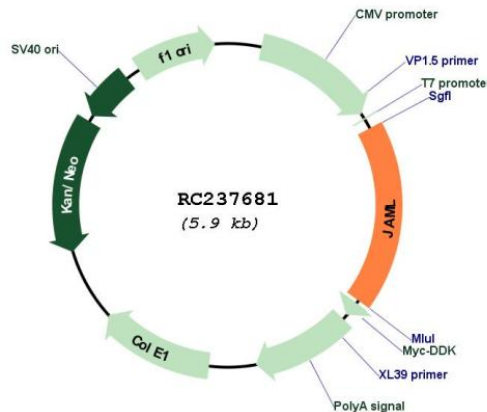
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001286570

ORF Size:	1065 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:	<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_001286570.2
RefSeq Size:	1894 bp
RefSeq ORF:	1068 bp
Locus ID:	120425
UniProt ID:	Q86YT9
Cytogenetics:	11q23.3
Protein Families:	Transmembrane
MW:	40.6 kDa
Gene Summary:	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]