

Product datasheet for **RR212227**

Madcam1 (NM_019317) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Madcam1 (NM_019317) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Madcam1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR212227 representing NM_019317 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGAGCCCATCCTGGCCCTCTGCTGGCCCTGGGACCCTTCCAGCTCAGCAGAGGCCAGTCCCTCCAGG
TGAATCCTCCTGAGCCTGAGGTAGCTGTAGCCATGGGCACATCCCTCCAGATCAACTGCAGCATGTCCTG
TGACAAGGATATAGCCCCGGGTGCACTGGCATGGCCTGGACACCAACTGGGCAATGTGCAGACCCTCCCA
GGCAGCAGGGTCTCTCCGTACGAGGCATGCTGTGACACACGGGCACTCGTGTATGCGTGGGTTCCTGTG
GGAGTCGAAGCTTTCAGCACTCTGTGAAGATCCTTGTGTATGCCTTTCAGACCAGCTGGAGGTAACCCC
GGAGTTCCTTGTACCTGGACGGGACCAGGTAGTGTCTGCACAGCCCACAACATCTGGCCTGCAGGCCCG
GACAGTCTTTCCTTTCCTTGCCTTGCCTCCGAGGAGAGCAGAGCCTGGAGGGTGCCTCAGGCCCTGGAAACAGAGC
AAGAGGAGGAGATGCAAGAGACTGAGGGCACTCCACTCTTCCAAGTGACACAACGCTGGTTGCTGCCCTC
CCTGGGGACCCCCGCCCTTCCC GCCCTTATTGCCAGGTACCATGCAGCTGCCCAAACCTGGTGTGACA
CATAGAAGGAAGATTCCAGTCTACAGAGCCAGACCTCACCAGAGCCCCCAGCACCACCTCTGCTAAGC
CATACATCCTGACCTCATCACATACTACTAAGGCAGTCTCCACTGGGCTCAGCAGTGTAGCCCTGCCTTC
TACGCCTCTGAGCTCCGAGGGGCCCTGCTACCCCGAAATCCACCAGAACCCAGAGGCAGACTGGGAACCT
CTCTGCGAAGCCTCCTGTGGGTCTGGAGTGACGGTGCATTGGACCCTGGCTCCTGGTGACCTGGCAGCCT
ACCACAAGAGAGAAGCTGGGGCCAGGCATGGCTAAGCGTGTGCCCTGGGCCCATCCTGAGGGCTG
GTTCCAGTGTGCGATGGACCCTGGCGGGCAGGTGACCAGTCTGTATGTTACTGGCCAGGTGATCCCAAAC
CCCTCCTCATGGTCGCCCTGTGGATTGGCAGCTTGGTGTGGGGCTGCTTGACTCGCCTTCTTGCT
ACTGCCTGTGGAAACGCTACCGGCCGGTCTCTCCAGACTCCAGCTCGTGTACGCTCTA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR212227 representing NM_019317
Red=Cloning site Green=Tags(s)

MEPILALLLALGPFQLSRGQSFQVNPPEPEVAVAMGTSLQINCSMSCDKDIARVHWHGLDNLGNVQTLPGSRVLSVRGMLSDTGTRVCVGCGRSRFQHSVKILVYAFPDQLEVTPEFLVPGRDQVVSCTAHNIWPAGPDSL SFALLRGEQSLGAQALETEQEEMQETEGTPLFQVTRWLLPSLGTALPALYCVQVMTQLPKLVLTHRRKIPVLQSQTSPEPPSTTSAPYIILTSHTTKAVSTGLSSVALPSTPLSSEGPCYPEIHQNPEADWELLCEASCGSGVTVHWTLPAGDLAAYHKREAGAQLSVLPLGPIPEGWFQCRMDPGGQVTSLYVTGQVIPNPSSMVALWIGSLVLGLLALAFLAYCLWKRYRPGPLPSSSCTLL

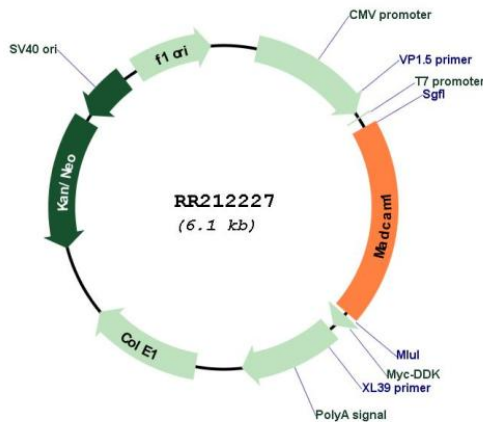
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_019317

ORF Size:	1182 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_019317.1 , NP_062190.1
RefSeq Size:	1279 bp
RefSeq ORF:	1185 bp
Locus ID:	54266
UniProt ID:	O70540
Cytogenetics:	7q11
MW:	42.5 kDa
Gene Summary:	mediates the rolling and sticking of lymphocytes to the high endothelial venule (HEV) of the Peyer's patch [RGD, Feb 2006]