

Product datasheet for **SC305894**

MADCAM1 (NM_130760) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MADCAM1 (NM_130760) Human Untagged Clone
Tag:	Tag Free
Symbol:	MADCAM1
Synonyms:	MACAM1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_130760, the custom clone sequence may differ by one or more nucleotides

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ATGGATTCGGA CTGGCCCTCTGCTGGCGGGCTTCTGGGGCTCCTCCTCGGCCAGTCCCTCCAGGTGA  
AGCCCCTGCAGGTGGAGCCCCGGAGCCGGTGGTGGCCGTGGCCTTGGGCGCCTCGGCCAGCTCACCTG  
CCGCTGGCCTGCGCGGACCGGGGGCTCGGTGCAGTGGCGGGGCTGGACACCAGCCTGGGCGCGGTG  
CAGTCGGACACGGGCGCAGCGTCTCACCGTGCACAACGCTCGCTGTCGGCGGGCCGGGACCCGCGTGT  
GCGTGGGCTCTGCGGGGGCCGACCTTCCAGCACACCGTGCAGTCTTGTGTACGCTTCCCGGACCA  
GCTGACCGTCTCCCAGCAGCCCTGGTGCCTGGTACCCGGAGGTGGCCTGTACGGCCACAAAAGTCAG  
CCCGTGGACCCCAACGCGCTCTCCTTCTCCTGCTCGTGGGGGCGAGGAAGTGGAGGGGGCGCAAGCCC  
TGGGCCCCGGAGGTGCAGGAGGAGGAGGAGGCCAGGGGGACGAGGAGTGTGTTACAGGTGACAGA  
GCGCTGGCGGCTGCCGCCCTGGGGACCCCTGTCCCGCCCGCCCTCTACTGCCAGGCCACGATGAGGCTG  
CCTGGCTTGGAGCTCAGCCACCGCCAGGCCATCCCCGTCTGCACAGCCCGACCTCCCCGGAGCCTCCCC  
ACACCACCTCCCCGGAGTCTCCCGACACCACCTCCCCGGAGTCTCCCGACACCACCTCCCAGGAGCCTCC  
CGACACCACCTCCCCGGAGCCTCCCGACAAGACCTCCCGGAGCCCGCCCCAGCAGGGCTCCACACAC  
ACCCCCAGGAGCCAGGCTCCACCAGGACTCGCCGCCCTGAGATCTCCAGGCTGGGCCCACGCAGGGAG  
AAGTGATCCCAACAGGCTCGTCCAAACCTGCGGGTGACCAGCTGCCCGCGGCTCTGTGGACCAGCAGTGC  
GGTGTGGGACTGCTGCTCCTGGCCTTGCCACCTATCACCTTGAAACGCTGCCGGCACCTGGCTGAG  
GACGACACCCACCCACGCTTCTCTGAGGCTTCTGCCCAAGTGTGGCCTGGGCTGGGTTAAGGGGA  
CCGGCCAGGTGGGATCAGCCCCCTCTGA
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Restriction Sites:	Please inquire
ACCN:	NM_130760
Insert Size:	1500 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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_130760.2 , NP_570116.2
RefSeq Size:	1546 bp
RefSeq ORF:	1149 bp
Locus ID:	8174
UniProt ID:	Q13477
Cytogenetics:	19p13.3
Protein Pathways:	Cell adhesion molecules (CAMs)
Gene Summary:	<p>The protein encoded by this gene is an endothelial cell adhesion molecule that interacts preferentially with the leukocyte beta7 integrin LPAM-1 (alpha4beta7), L-selectin, and VLA-4 (alpha4beta1) on myeloid cells to direct leukocytes into mucosal and inflamed tissues. It is a member of the immunoglobulin family and is similar to ICAM1 and VCAM1. At least seven alternatively spliced transcripts encoding different protein isoforms have been found for this gene, but the full-length nature of some variants has not been determined. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (1) is the longer, predominant transcript and encodes the longer isoform (a).</p>