

Product datasheet for RC216843

MAMDC4 (NM_206920) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MAMDC4 (NM_206920) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	MAMDC4
Synonyms:	AEGP; EDTB
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC216843 representing NM_206920 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCTCTGTCCAGCCACCTGCTGCCCGCCTTGGTCTGTTCCTGGCAGGGTCTCAGGCTGGGCTGGG
TCCCCAACCACTGCAGGAGCCCTGGCCAGGCCGTGTGCAACTTCGTGTGTACTGCAGGGACTGCTCAGA
TGAGGCCAGTGTGGTTACCACGGGGCCTCGCCACCCTGGGCGCCCCCTTCGCCTGTGACTTCGAGCAG
GACCCCTGCGGCTGGCGGACATTAGTACCTCAGGCTACAGCTGGCTCCGAGACAGGGCAGGGGCCGCAC
TGGAGGGTCTGGCCTCACTCAGACCACACACTGGGCACCGACTTGGGCTGGTACATGGCCGTTGGAAC
CCACCGAGGAAAGAGGCATCCACCGCAGCCCTGCGCTCGCCAACCCTGCGAGAGGCAGCCCTCCTCTTGC
AAGCTGAGGCTCTGGTACCACGGCCCTCTGGAGATGTGGCTGAACTGCGGGTGGAGCTGACCCATGGCG
CAGAGACCCTGACCCTGTGGCAGAGCACAGGGCCCTGGGGCCCTGGCTGGCAGGAGTTGGCAGTGACCAC
AGGCCGCATCCGGGGTGACTTCCGAGTGACCTTCTGCCACCCGAAATGCCACCCACAGGGGCGCTGTG
GCTCTAGATGACCTAGAGTTCTGGGACTGTGGTCTGCCACCCCCAGGCCAACTGTCCCCGGGACACC
ACCACTGCCAGAACAAGGTCTGCGTGGAGCCCCAGCAGCTGTGCGACGGGAAGACAACCTGCGGGGACCT
GTCTGATGAGAACCACCTCACCTGTGGCCGCCACATAGCCACCGACTTTGAGACAGGCCTGGGCCCATGG
AACCGCTCGAAGGCTGGTCCCAGAACCCAGTGGTGGTGGTCTGAGCGCCCTCCTGGCCACCGCGTG
ACCACAGCCGGAACAGTGCACAGGGCTCCTTCTGGTCTCCGTGGCCGAGCCTGGCACCCCTGCTATACT
CTCCAGCCCCGAATTCCAAGCCTCAGGCACCTCCAACCTGCTCGCTGGTCTTCTATCAGTACCTGAGTGGG
TCTGAGGCTGGCTGCCTCCAGCTGTTCTGCACTCTGGGGCCCGCGCCCCCGGGCCCCCGTCTCTGC
TGCGGAGGCGCCGAGGGGAGCTGGGACCCTGGGTCCGAGACCGTGTGACATCCAGAGCGCCTACCC
CTTCCAGATCCTCTGGCCGGGCAGACAGGCCCGGGGGCGTCTGGGTCTGGACGACCTCATCCTGTCT
GACCACTGCAGACCAGTCTCGGAGGTGTCCACCCTGCAGCCGCTGCCTCTGGGCCCCGGCCCCAGCCC
CCCAGCCCTGCCGCCAGCTCGGGCTCCAGGATTCCTGCAAGCAGGGGCATCTTGCCTGCGGGGACCT
GTGTGTGCCCGGAACAACCTGTGTGACTTCGAGGAGCAGTGCAGGGGGCGAGGACGAGCAGGCGCTGT



[View online »](#)

GGCACCACAGACTTTGAGTCCCCGAGGCTGGGGCTGGGAGGACGCCAGCGTGGGGCGGCTGCAGTGGC
GGCGTGTCTCAGCCCAGGAGAGCCAGGGTCCAGTGCAGCTGCTGCTGGGCACTTCTGTCTCTGCAGCG
GGCCTGGGGCAGCTAGGCGCTGAGGCCGGTCTCACACCCCTCCTTGGCCCTTCTGGCCCCAGTGT
GAACTCCACCTGGCTTATATTTACAGAGCCAGCCCCGAGAGGTCTCTGTAACCTTTGAGCGGGACACAT
GCAGCTGGTACCCAGGCCACCTCTCAGACACACTGGCGCTGGTGGAGAGCCGCGGCCCTGACCACGA
CCACACCACAGGCCAAGGCCACTTTGTGCTCCTGGACCCACAGACCCCTGGCCTGGGGCCACAGTGCC
CACCTGCTCTCCAGGCCAGGTGCCAGCAGCACCCAGGAGTGTCTCAGCTTCTGGTACCACCTCCATG
GGCCCCAGATTGGGACTCTGCGCCTAGCCATGAGACGGGAAGGGAGGAGACACACCTGTGGTCGCGGTC
AGGCACCCAGGGCAACCCTGGCACGAGCCTGGGCCACCTTTCCACACAGCCTGGCTCCCATGCCAG
TACCAGCTGCTGTTGAGGGCTCCGGGACGGATACCACGGCACCATGGCGCTGGACGATGTGGCCGTGC
GGCCGGGGCCCTGCTGGGCCCTAATTACTGCTCTTTGAGGACTCAGACTGCGGCTTCTCCCTGGAGG
CCAAGTCTCTGGAGGGCAGGCCAATGCCTCGGGCATGCTGCCTGGGGCCCCAACAGACCATAACC
ACTGAGACAGCCAAAGGGCACTACATGGTGGTGGACACAAGCCAGACGCACTACCCGGGGCCAGACGG
CCTCCCTGACCTCAAGGAGCACAGGCCCTGGCCAGCCTGCTTGTCTGACCTTCTGGTACCACGGGAG
CCTCCGACGCCAGCCACCTGCGGGTCTACCTGGAGGAGCGGGAGGCACCAGGTGCTCAGCCTCAGT
GCCACCGCGGGCTTGCCTGGCGCTGGCAGCATGGACGTGCAGGCCGAGCGAGCCTGGAGGGTGGTGT
TTGAGGACGTGGCCGAGGCGTGGCACACTCCTACGTGGCTCTGGATGATCTGCTCCTCCAGGACGGCC
CTGCCCTCAGCCAGTTCTGTGATTTTGTGCTGGCCTGTGTGGCTGGAGCCACCTGGCCGGGGCCGGC
CTGGGCGGATACAGCTGGGACTGGGGCGGGGAGCCACCCCTCTCGTTACCCCCAGCCCCCTGTGGACC
ACACCCTGGGCACAGAGGCAGGCCACTTTGCCTTCTTTGAAACTGGCGTGTGGGGCCGGGGCCGGGC
CGCCTGGCTGCGCAGCGAGCCTCTGCCGGCCACCCAGCCTCTGCCTCCGCTTCTGGTACCACATGGGT
TTTCTGAGCACTTCTACAAGGGGAGCTGAAGTACTGCTGCACAGTGTCTCAGGCCAGTGGCTGTGT
GGGGCGCAGGGCGGCATCGGCGGCACCAGTGGCTGGAGGCCAGGTGGAGGTAGCCAGTGCCAAGGAGTT
CCAGATCGTGTTGAAGCCACTCTGGGGCGCCAGCCAGCCTGGGGCCATTGCCCTGGATGACGTGGAG
TATCTGGCTGGGACGATTGCCAGCAGCCTGCCCCAGCCGGGAAACACAGCCGACCCGGTCTGTGC
CAGCTGTGGTTGGCAGTGCCCTCTATTGCTCATGCTCCTGGTGTGCTGGGACTTGGGGACGGCGCTG
GCTGCAGAAGAAGGGGAGCTGCCCTTCCAGAGCAACACAGAGGCCACAGCCCTGGCTTTGACAACATC
CTTTTCAATGCGGATGGTGTACCCTCCCGCATCTGTACCAGTGATCCG

ACGCGTACGCGGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC216843 representing NM_206920
Red=Cloning site Green=Tags(s)

MPLSSHLLPALVFLAGSSGWAVPNHCRSPGQAVCNFVCDRCDSDEAQCGYHGASPTLGAPFACDFEQ
 DPCGWRDISTSGYSWLRDRAGAALGEGPHSDHTLGTDLGWYMAVGTGRGKEASTAALRSPTLREAASSC
 KLRLWYHAASGDVAELRVELTHGAETLTLWQSTGPWGPWQELAVTTGIRGDFRVTF SATRNATHRGAV
 ALDDLEFWDCGLPTPQANCPGHHHCQNKVCVEPQQLCDGEDNCGDLSDENPLTCGRHIATDFETGLGPW
 NRSEGWSRNHRAGGPERPSWPRRDHSRNSAQGSFLVSV AEPGTPAILSSPEFQASGTSNCSLVFYQYLSG
 SEAGCLQLFLQTLGPGAPRAPVLLRRRRGELGTAWVRDRVDIQSAYPFQILLAGQTGGGVVGLDLDLILS
 DHC RPVSEVSTLQPLPPGPRAPAPQPLPPSSRLQDCKQGHLAGDLCVPPEQLCDFEEQCAGGEDEQAC
 GTTDFESPEAGGWEDASVGRQLQWRRVSAQESQSSAAAAGHFLSLQRAWGQLGAEARVLTPLLPGSPGSC
 ELHLAYYLQSQPREVSCNFERDTC SWYPGHLSDTHWRWVESRGPDDHTTGQGHVLLDPTDPLAWGHS
 A HLLSRPQVPAAPTECLSFWYHLHGPQIGTLRLAMRREGEETHLSRSGTQGNRWHEAWATLSHQPGSHAQ
 YQLLEFGLRDGYHGTALDDVAVRPGPCWAPNYCSFEDSDCGFSPGGQGLWRRQANASGHAAWGPPTDHT
 TETAQGHYVVDTSPDALPRGQTASLTSKEHRPLAQPACLTFWYHGSLRSPGTLRVYLEERGRHQLVLSL
 AHGGLAWRLGSMDVQAERAWRVFEAVAAGVAHSYVALDLDLLQDGPCQPGSCDFESGLCGWSHLAGPG
 LGGYSWDWGGGATPSRYPPVDHTLGTGTEAGHFAFFETGVLGPGGRAAWLRSEPLPATPASCLRFWYHMG
 FPEHFYKELKVLHSAQGQLAVWGAGGHRHQWLEAQVEVASAKEFQIVFEATLGGQPALGPIALDDVE
 YLAGQHCQQPAPSPGNTAAPGSVPVAVGSALLLMLLVLLGLGRRWLQKKGSCPFQSNTEATAPGFNDI
 LFNADGVTLPASVTS DP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8014_a10.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

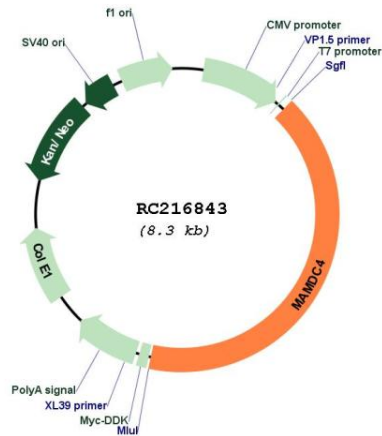


ACCN: NM_206920

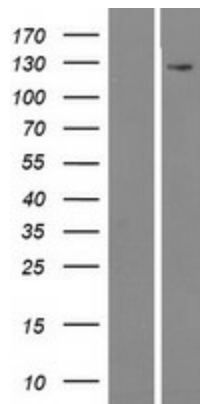
ORF Size: 3411 bp

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_206920.1 , NP_996803.1
RefSeq Size:	3690 bp
RefSeq ORF:	3414 bp
Locus ID:	158056
UniProt ID:	Q6UXC1
Cytogenetics:	9q34.3
Protein Families:	Druggable Genome, Transmembrane
MW:	120.9 kDa
Gene Summary:	Probably involved in the sorting and selective transport of receptors and ligands across polarized epithelia.[UniProtKB/Swiss-Prot Function]

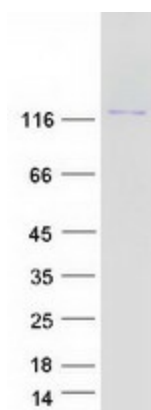
Product images:



Circular map for RC216843



Western blot validation of overexpression lysate (Cat# [LY404169]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC216843 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified MAMDC4 protein (Cat# [TP316843]). The protein was produced from HEK293T cells transfected with MAMDC4 cDNA clone (Cat# RC216843) using MegaTran 2.0 (Cat# [TT210002]).