

Product datasheet for **SC314555**

MDGA2 (NM_182830) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MDGA2 (NM_182830) Human Untagged Clone
Tag:	Tag Free
Symbol:	MDGA2
Synonyms:	c14_5286; MAMDC1
Vector:	<u>pCMV6 series</u>



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Fully Sequenced ORF:	>NCBI ORF sequence for NM_182830, the custom clone sequence may differ by one or more nucleotides <pre> ATGGTGTCTGTTAGACTGTCCAATAAAACAGCATCACCGTCAATTAACTCTTGGTGGAT GATCCTATAGTTGTAAATCCTGGAGAGGCCATAACATTAGTATGTGTTACAACAGGAGGA GAGCCTGCACCTTCTCTCACCTGGGTGAGTCTTTGGGACTCTGCCTGAAAAGACTGTT TTGAATGGAGGAACCTTGACCATACCTGCCATCACCTCAGATGATGCTGGTACTTACAGC TGCATTGCCAATAATAATGTGGGAAACCTGCAAAAAAGTCCACCAACATCATTGTGAGA GCATTAAGGAGGACGATTTTGGATCACACCAGATCCTTATCAGAAAGATGACAACATC CAGATTGGCCGTGAGGTGAAAATATCTTGCCAAGTAGAAGCTGTTCTTCTGAGGAGCTA ACATTTAGTTGGTTAAAAATGGTCGTCCATTAAGAAGTTCTGAGCGGATGGTCATTACA CAGACTGATCCTGATGTCTCTCCGGGAACAACAACTTGGACATCATTGATTTAAATTC ACGGATTTTGGGACGTACACATGTGTAGCATCTCTGAAGGGAGGAGGAATATCTGATATC AGTATCGATGTTAATATATCCAGCAGCACAGTTCCACCAATCTGACTGTTCCACAGGAA AAATCACCATTGGTCACCAGAGAAGGAGACACAATAGAACTGCAATGTCAAGTAAGTGGC AAACCTAAACCAATCATCTTTGGTCTAGAGCGGATAAAGAAGTTGCAATGCCTGATGGA TCAATGCAAAATGGAGAGTTATGATGGAACACTGAGGATTGTGAATGTATCTAGGGAAATG TCAGGAATGTACAGATGTGAGACAGCCAAATACATGGATTTAACGTGAAACCAAGGGAA GCCTTGGTGCAGCTCATCGTTTCACTATCCCCCTGCAGTGGAAACAGCATCTTGGAAATC CGGCAAGGACAGGATCGAAGTGTCACTATGAGTTGCAGAGTACTGAGAGCCTATCCAATA CGGGTGTCTGACCTATGAGTGGCGCTTGGGCAATAAATTATTACGGACGGGTCAATTTGAC TCTCAGGAATACACAGAGTACGCTGTGAAGAGTCTTCCAATGAAACTATGGGGTTTAT AACTGTAGCATCATAAATGAAGCTGGAGCTGGGAGATGCAGCTTTCTTGTACAGGAAAG GCCTATGCTCCAGAATTCTATTATGATACCTACAATCCAGTATGGCAGAACAGACACCGT GTTTATTCTTACAGTCTACAGTGGACACAGATGAATCCTGATGCAGTGGATCGGATTGTT GCATACCGGTTGGGCATCAGGCAGGCTGGACAGCAGCGCTGGTGGGAGCAGGAGATTAAA ATAAATGGGAATATTCAAAAGGGAGAATTAATTACATATAACTTGACAGAGCTAATTAAA CCAGAAGCTTATGAAGTCCGACTGACTCCTCTCACCAAAATTTGGTGAAGGAGATTCAACA ATTCGTGTGATCAAAATAGTGTCTCTGTAATCCTCATTGAGAGAATTTTATTGTGGA TTTGAAGATGGTAATATTTGTTTCTCAAGATGATACAGATAATTTTACTGGACA AAGCAAAGTACAGCAACAAGAAATACAAAATATACTCCTAATACAGGACCTAATGCTGAC CGTAGTGGCTCCAAAGAAGGTTTTATATGTACATTGAGACATCACGACCCAGATTGGAA GGCGAAAAGGCTCGACTTCTCAGCCCTGTTTTCAGCATAGCTCCCAAAAACCTTATGGA CCCACAAACACTGCATATTGTTTCAGCTTCTTTTATCAGATGATGGACAACATATAGGT GTCTTAAATGTTTATCTACGTTTGAAAGGGCAACAACATAGAGAATCCACTGTGGTCT TCAAGTGGGAATAAAGGACAAAGATGGAATGAGGCTCATGTTAATATATACCAATTACT TCATTTAGCTCATTTTTGAAGGTATCCGAGGTCTGGAATAGAAGGTGACATTGCTATT GATGATGTATCAATTGCAGAAGGAGAATGTGCAAAACAAGACCTAGCAACTAAGAATTCC GTTGATGGTGTGTTGGGATTTTGGTTCATATATGGCTTTTCCATTATCGTCTCATC TCTATCTTAAGTCTCGAAGG </pre>
Restriction Sites:	Please inquire
ACCN:	NM_182830
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:	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:	<u>NM_182830.2, NP_878250.2</u>
RefSeq Size:	4747 bp
RefSeq ORF:	2184 bp
Locus ID:	161357
UniProt ID:	<u>Q7Z553</u>
Cytogenetics:	14q21.3
Protein Families:	Druggable Genome, Transmembrane
Gene Summary:	May be involved in cell-cell interactions.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) differs in the 5' UTR and has multiple 5' coding region differences, compared to variant 1. These differences cause translation initiation at a downstream AUG and an isoform (2) with a shorter N-terminus, compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data because no single transcript was available for the full length of the gene. The extent of this transcript is supported by transcript alignments.