

Product datasheet for **SC326126**

C8orf45 (MCMDC2) (NM_001136160) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C8orf45 (MCMDC2) (NM_001136160) Human Untagged Clone
Tag:	Tag Free
Symbol:	MCMDC2
Synonyms:	C8orf45
Vector:	<u>pCMV6 series</u>



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Fully Sequenced ORF:	<p>>NCBI ORF sequence for NM_001136160, the custom clone sequence may differ by one or more nucleotides</p> <pre> ATGTCAAATCTAAAAATGAAAGAGGCGGCCCTCATCTATCTTGACAGAAGTGGAGGCCTC CAAAAGTTTATAGATGATTGCAAGTACTACAATGATTCAAACAAAGCTATGCTGTCTAT CGATTCAAAATTTAATAAATCCCTCTGATGTTGTTGAATTAGATGCTGAGCTTGAAAT CACATTTTACACCAACCTTTAAAAGCTGCTGAAGTCTTTCAATCAGTCTGTTTTATTGCT GTTAAGACTCTCATTAAATGGACAATTGCAGACTGAAACGCAAATTAATATAGTGCTG AAATTAACACATTTACCTCCCCTGCCAAGTTATGGTCTTGATCTTTGTGAGTTTCCACTT GATTATACATCTCAGAGATTTTATATGATGCAAGGAATTGTGATTGCAATGACACTATA ACCAAGTATACACAAGGGGCAAGATTTCTTTGTTGAGTGAAGCATGCCCTCTTTCAAAA GGATTTGAGTATAAAGAGTGCATGTGCCTGGTGTACAGAATCTGCAACGATAAGAAAT GACTTTTTGTGTAATCTATGTGCATCTTCACTTCAAGAAGACAGAAAATTTAGAGTACTT GGTGATAAACAAATAGTTGAAATAATTGCCACAAAGGCACTTCGTGCTTTTCAAGGATAT TCTAACACCAGCCATTTAGGTTTCAATCACTTACAATTTTCTAAGAGATGAATCAGTG AATAAAATGAATATAGGAAATGAATATAAAATTATTGGAATTCACCTGTGTAACCAAC TCACAACTGCTGTCTGTATAGAAGCAAATAGCATAACTTTTTGTAAATCAAAGTTCCT TCAGGAATTAGTGACAACCTTCAGGTGTCTCCTCTCCTTAACTTCCAGCTCATGCTGGAAG TTTACAGCAACTTGGCAATATCTTTGCATCACAAATACCCCTCCTGGGACTTACAAT TTGCTCAAGCTCTGTTTGTGATGAGTCTAGTACAGACAAGTACCGTAACAAGGAACTG GAAGATTGCTGGATATTTAATTATAACAAGTACTACTCATAGACAGGCTTCTG AATTTTAGCATAAACCTTGTCCCCGGTATACGTCATCTAGTCTACTGAAATTTTT CCCCTCTATCCAGGAATAAGTATGGAAGTGGAGCAGTTAGCATTGAGGCTGGCAGTGT TTGCTAGCTAAAGTGGTATCTGCTTTATAGGAGACTTGGCTTACACAAAAAAGATAAA CTTGAACAGCTTCAAACAGTTCTGGAGAGCAGAAGCATCACAGTGTACATCCAGGAAAG AAGTTTGGGAGGATATTGATCAACAGATGACTTTTCCAGTTCAGTGCAGTTTTTGGTCT TTTGTGATGTGGATTCTTCAAGGAGAAATGCACAGAAAATCAACACTCTAATTGGT CAGATGGATTGCAGTTTATTCCAGCTAACCTTGTGGAGGCATTTGGTTTATTGATTAAC TGCAACGAGTCTCTCCCTGCCACCCATTTCTTCTACTGTGCAACACACTTTGAACAAA GCCATTAATCCTGAAGGGCTGTTTTATGCGGCTTCTAGACAGTTCACAACCTGAAGATTT GAAAAGCTATTGGCTTTTCAAAGAATTTGAATGTAGAATTCAGCTTGGAAAGCAGAAAGA ATGACCCATGGCTATTATCTAGCAAGTGCAGAATCAGAACAGGCTCTGTATGTGGATCA AAGCTGTGAGCATCTGCATTAATAATATCTGTTTTCTATCTGAAGCCCATGCACGACTG AACTTAAGGAACAAAGTCTTAAAGAAGATGTGCTGATTGCAGCCTTACTATTTGAAACA TCCTCACATTGAAATATGGTAATGAATTAATAT </pre>
Restriction Sites:	Please inquire
ACCN:	NM_001136160
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: [NM_001136160.1](#), [NP_001129632.1](#)

RefSeq Size: 2048 bp

RefSeq ORF: 1899 bp

Locus ID: 157777

Cytogenetics: 8q13.1

Gene Summary: Plays an important role in meiotic recombination and associated DNA double-strand break repair.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (2) differs in the 5' UTR, 3' UTR and 3' coding region, compared to variant 1. The resulting isoform (b) is shorter and has a distinct C-terminus, compared to isoform a.