

Product datasheet for **SC321134**

C8orf45 (MCMDC2) (NM_173518) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C8orf45 (MCMDC2) (NM_173518) Human Untagged Clone
Tag:	Tag Free
Symbol:	C8orf45
Synonyms:	C8orf45
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_173518.2
 GGGATCAACAATTGTGGTTAATCAATTAGAAATATTAACCAGGAGAAAATGTCAAATCT
 AAAAATGAAAGAGGGCGCCCTCATCTATCTTGACAGAAGTGGAGGCCTCCAAAAGTTTAT
 AGATGATTGCAAGTACTACAATGATTCAAAACAAAGCTATGCTGTCTATCGATTCAAAAT
 TTTAATAAATCCCTCTGATGTTGTTGAATTAGATGCTGAGCTTGGAAATCACATTTTACA
 CCAACCTTTAAAAGCTGCTGAAGCTTTTCAATCAGTCTGTTTTATTGCTGTTAAGACTCT
 CTCATTAATTGGACAATTGCAGACTGAAACGCAAATTAATATAGTGTGAAATTAACACA
 TTTACCTCCCCTGCCAAGTTATGGTCTTGATCTTTGTGAGTTTCCACTTGATTATACATC
 TCAGAGATTTTATATGATGCAAGGAATTGTGATTGCAATGACAACATAACCAAGTATAC
 ACAAGGGGCAAGATTTCTTTGTTGAGTGAAGCATGCCCTCTTTCAAAGGATTTTCAGTA
 TATAAGAGTGCATGTGCCTGGTGTACAGAATCTGCAACGATAAGAAATGACTTTTTGTG
 TAATCTATGTGCATCTTCACTTCAAGAAGACAGAAAATTTAGAGTACTTGGTGATAAACA
 AATAGTTGAAATAATTGCCACAAAGGCCTTCGTGCTTTTCAAGGATATTCTAACACCA
 GCCATTTAGGTTTCAATCACTTACAATTTTCTAAGAGATGAATCAGTGAATAAAATGAA
 TATAGGAAATGAATATAAAATTATTGGAATCCAACCTGTGTAACCACTCACAACTGC
 TGCTGTATAGAAGCAAATAGCATAACTTTTTGTAAATCAAAGTTTCTTCAGGAATTAG
 TGACAACCTCAGGTGTCTCCTCTCCTTAACTTCCAGCTCATGCTGGAAGTTTACAGCAAT
 ACTTGCCAATATCTTTGCATCACAAATTACCCCTCCTGGGACTTACAATTTGCTCAAGCT
 CTGTTTGTGATGAGTCTAGTACAGACAACGACCGTAACAAGGAACTGGAGATTGCTC
 GGATATTTAATTATAACAAGTGATACTACTCATAGACAGGCTTCTGAATTTTAGCAT
 AAACCTTGTCCTCCGTTATACGTCATCTAGTCTCTACTGAAATTTTCCCCTCTATC
 CAGGAATAAGTATGGAAGTGGAGCAGTTAGCATTGAGGCTGGCAGTCTTTGCTAGCTAA
 AGGTGGTATCTGCTTTATAGGAGACTTGGCTTACACAAAAAGATAAACTTGAACAGCT
 TCAAACAGTTCTGGAGAGCAGAAGCATCACAGTGTACATCCAGGAAAGAAGTTTGGGGA
 GGATATTGATCAACAGATGACTTTTCCAGTTCAGTGCAGTTTTTGGTCTTTTGTGATGT
 GGATTCATCTTCAAGGAGAAATGCACAGAAAATCAACACTCTAATTGGTCAGATGGATTG
 CAGTTTGATTCCAGCTAACCTTGTGGAGGCATTTGGTTTATTGATTAAGTCAACGAGTC
 ATCTCCCTGCCACCCATTTCTTCTACTGTGCAACACACTTTGAACAAAGCCATTAATCC
 TGAAGGGCTGTTTTATGCGGCTTCTAGACAGTTTCAACTGAAGATTTTGAAGCTATT
 GGCTTTTGCAAAAGATTTGAATGTAGAATTGAGCTTGAAGCAGAAAGAATGACCCATGG
 CTATTATCTAGCAAGTCGAGAATCAGAACAGGCTCTGTATGTGGATCAAAGCTGTCAGC
 ATCTGCATTAAAAATATCTGTAGGTATTCAATTCAGATTTTAAAAATCAGCATTGAGTTT
 AAATGATGTGTTAATTAATGCTAATTTACCTATTTCACTTGTCTTCTGCTTGATTG
 CTAGTTGGTTGGTTGTAATGGCCTTGTTCAAAAGGACTAAAGGCTTCACAATTCCTT
 TTGTTATATCATGTTACATCATTTTAACTCTAATAATTTTTTTACTAACTGATTTTTA
 TTGGATGCCATATGAGATATGTCTGGGAAAAGTGCAGTATTTCAAATGCAAATCCTTGT
 TTTTAAAAATGTGGCTGTTGGGCGGGCACGGTGGCTCACACCTGTAATCCAGCACTTTG
 GGAGTCCGAGAGGGCAGATTGCCTGAGGTGAGGAGTTCAAGACCAGCCTGGGCAACACAG
 TAAAACCTGTCTCTAATAAAAATACAGAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_173518

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:	<u>NM_173518.2, NP_775789.2</u>
RefSeq Size:	5114 bp
RefSeq ORF:	1758 bp
Locus ID:	157777
UniProt ID:	<u>Q4G0Z9</u>
Cytogenetics:	8q13.1
Gene Summary:	<p>Plays an important role in meiotic recombination and associated DNA double-strand break repair.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (a). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The extent of this transcript is supported by transcript alignments.</p>