

Product datasheet for **RG239900**

ZCWCC1 (MORC2) (NM_001303256) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZCWCC1 (MORC2) (NM_001303256) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZCWCC1
Synonyms:	CMT2Z; DIGFAN; ZCW3; ZCWCC1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

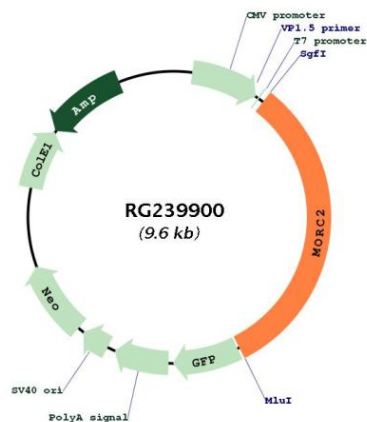
>RG239900 representing NM_001303256.
 Blue=ORF Red=Cloning site Green=Tag(s)

```

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGGCTTTCACAAATTACAGCAGTCTGAATCGAGCTCAGCTAACCTTTGAATATCTGCACACAAATTCA
ACCCTCACGAATTCCTGTTGGTGCCCTTGCTGAAGTGGTTGATAATGCAAGAGATGCTGATGCCACC
AGAATAGATATTTATGCAGAAAGACGAGAGGACCTTCGAGGAGGATTTATGCTTTGCTTTTTGGATGAT
GGAGCAGGAATGGATCCAAGTGTGCTGCCAGTGTGATCCAGTTTGGGAAGTCGGCCAAGCGAACACCT
GAGTCTACTCAGATTGGGCAGTACGGGAATGGGTTAAATCGGGCTCAATGCGCATTGGGAAGGATTTT
ATCCTGTTACCAAGAAGGAAGACACCATGACCTGCCTTCTGTCTCGCACGTTTCATGAGGAAGAA
GGCATTGATGAAGTATAGTCCCCTGCCACCTGGAATGCTCGGACCCGGGAACCTGTCACAGACAAT
GTAGAGAAATTTGCCATTGAGACAGAACTCATCTATAAGTACTCTCCATTCGCCTGAGGAGGAAGTG
ATGACCCAGTTTATGAAGATTCCTGGGACAGCGGAACATTGGTGTATCTTCAATCTCAAACCTCATG
GATAATGGAGAGCCAGAAGTACAGATAATCTCAAATCCAAGAGATATCCAGATGGCAGAGACGTCCCA
GAGGGCACGAAGCCAGAGCGGGCTCGTTCCGTGCCTATGCCGCTGTGCTCTATATTGATCCCCGGATG
AGGATCTTCATCCATGGGCACAAGGTGCAGACCAAGAGGCTCTCCTGCTGCCTGTACAAGCCAGGATG
TACAAGTACACGTCAAGCCGTTTCAAGACCCGTGCGGAGCAGGAGGTGAAGAAAGCAGAGCACGTAGCA
AGGATTGCTGAAGAGAAGGCGCGGGAGGCGAGAGCAAAGCTCGGACATTAGAAGTACGCCTAGGTGGA
GACCTCACGCGGGACTCCAGGGTGTGTTGCGACAGGTCCAGAACAGAGCCATCACTCTGCGCAGAGAA
GCCGATGTCAAGAAGAGGATCAAGGAGGCCAAGCAGCGAGCACTTAAGAACCTAAGGAAGTGAATTTT
GTTTTGGTGTCAACATTGAACACCGGGATCTGGATGGCATGTTTCATCTACAAGTGTAGCCGACTGATC
AAAATGTATGAGAAAGTGGGCCACAGCTGGAAGGGGGCATGGCATGTGGCGGGTTGTTGGGGTTGTT
GATGTGCCCTACCTGGTCTGGAGCCTACACACAACAAACAGGACTTTGCTGATGCCAAGGAGTACCGG
CACCTGCTCCGAGCAATGGGGGAGCACCTGGCGCAGTATTGGAAGGATATTGCCATCGCCAGAGGGGA
ATCATCAAGTTCTGGGATGAGTTTGGCTACCTCTCTGCCAACTGGAACCAGCCCCATCCAGTGAGCTG
CGTTACAAACGCCGAGAGCTATGGAAATCCCCACCACCTCCAGTGCATTTGTGTCTGAAATGGAGA
ACCCTCCCCTCCAGCTGAGTTCTGTGGAAAAGATTACCCTGACACCTGGGTTTGTCCATGAACCTT
GATCCTGAACAGGACCGGTGTGAGGCTTCTGAACAAAAGCAGAAGTTCCCTGGGAACATTCAGAAAG
GACATGAAGACGCAGGAAGAGAAGCAGAAACAAGTACAGAGAAAATTCGCCAGCAGCAGGAGAAGCTG
GAGGCCCTTCAGAAAACACACCCATCCGCTCCCAAGCAGACCTGAAGAAATGCCCTTGAAGTGACC
ACCAGACCTTCCACTGAGGAACCTGTGCGTAGACCTCAGCGTCCCTCGGTGCCCCCTTTACTGTGTG
ATCAGGAACGCCCCAGCAGACCCCTTCTTTGCCAACTCCTAGACCAGCCAGCCAGCCCCGAAAGGCT
CCTGTCTCAGCAGTACCCAAAGCTCCCTGCTTTGGCAGCCCGGAGGAGGCCAGCACATCTAGGCTG
CTCCAGCCACCTGAGGCACCCCGAAAGCCTGCCAACACTCTCGTCAAGACTGCATCCCGACCTGCCCTT
CTGGTGCAGCAACTGTACCATCTTTACTGCCAACTCCAAGAGCCCTCGGGAGGTTCTTCTCCAAA
GTCATCAAGACTCCAGTGGTGAAGAAGACAGAGTACCCATCAAACCTCTCCCGGCTACCCCTAGTCGG
AAGCGGAGTGTGCGAGTTTCTGATGAGGAAGAAGTTGAGGAGGAAGCTGAGAGGAGGAAGGAGAGGTGC
AAGCGGGCAGATTTGTTGTAAGGAGGAAAAGAAGGACTCGAATGAGCTCTCAGACAGTGTGGGGAA
GAGGACTCGGCTGACCTCAAGAGAGCTCAGAAAGATAAAGGGCTGCACGTGGAGGTGCGTGTGAACAGG
GAGTGGTACACGGGCCGTGTACAGCCGTGGAGGTGGCAAGCATGTGGTGCAGTGAAGTGAAGTTT
GACTACGTGCCACAGACACGACACCAAGAGACCCTGGGTGGAGAAAGGCAAGTGAAGTGTGCGGCTG
ATGAAACCCCTTCTCCGGAACATCAGAGCCTTGATACACAACAGGAGGGCGGGAGGAGGAGGTGGGC
CCTGTGGCCAGCAGGCCATAGCTGTGCGAGAGCCCTCCACTCCGAATGCCTCCGATTGAGCCTGAC
ACCACTGCCCTGAGCACAATCACGAGACCATCGACCTGCTTGTCCAGATCCTCCGAATTGTTTACGG
TACTTCTGCTCAAGTTTCCCATCTCCAAGAAGCAGCTGAGTGTATGAATTCAGATGAGCTAATA
TCTTTTCTCTGAAGGAGTACTCAAGCAATATGAAGTAGGGCTCCAAAACCTGTGCAATCCTACCAG
AGCCGTGCTGACTCCCGGCCAAGGCCTCCGAGGAAAGCCTGCGCACCTCCGAGAGGAAGCTCCCGGAG
ACGGAGGAGAAGCTGCAGAAGCTGAGGACCAACATCGTGGCACTCCTGCAAAAAGTGCAGGAGGACATA
GACATCAACACAGATGATGAGCTGGACGCTACATTGAGGACCTCATACCAAGGGGGAC
ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAAAC
  
```


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).
RefSeq:	NM_001303256.3
RefSeq Size:	3915 bp
RefSeq ORF:	3099 bp
Locus ID:	22880
UniProt ID:	Q9Y6X9
Cytogenetics:	22q12.2
MW:	118.3 kDa
Gene Summary:	This gene encodes a member of the Microorchidia (MORC) protein superfamily. The encoded protein is known to regulate the condensation of heterochromatin in response to DNA damage and play a role in repressing transcription. The protein has been found to regulate the activity of ATP citrate lyase via specific interaction with this enzyme in the cytosol of lipogenic breast cancer cells. The protein also plays a role in lipogenesis and adipocyte differentiation. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Feb 2016]

Product images:



Circular map for RG239900