

# Product datasheet for RC200518L3

#### OriGene Technologies, Inc.

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## ZCWCC1 (MORC2) (NM 014941) Human Tagged Lenti ORF Clone

### **Product data:**

**Product Type: Expression Plasmids** 

**Product Name:** ZCWCC1 (MORC2) (NM 014941) Human Tagged Lenti ORF Clone

Tag: Myc-DDK Symbol: ZCWCC1

Synonyms: CMT2Z; DIGFAN; ZCW3; ZCWCC1

**Mammalian Cell** Puromycin

Selection:

Vector: pLenti-C-Myc-DDK-P2A-Puro (PS100092)

E. coli Selection: Chloramphenicol (34 ug/mL)

**ORF Nucleotide** 

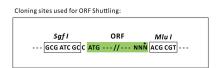
Sequence:

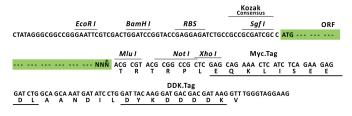
The ORF insert of this clone is exactly the same as(RC200518).

**Restriction Sites:** 

Sgfl-Mlul

**Cloning Scheme:** 





<sup>\*</sup> The last codon before the Stop codon of the ORF.

ACCN: NM\_014941

**ORF Size:** 2910 bp





### ZCWCC1 (MORC2) (NM\_014941) Human Tagged Lenti ORF Clone - RC200518L3

**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:** 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 014941.1</u>

 RefSeq Size:
 4467 bp

 RefSeq ORF:
 2913 bp

 Locus ID:
 22880

 UniProt ID:
 Q9Y6X9

 Cytogenetics:
 22q12.2

**MW:** 110.7 kDa

**Gene Summary:** This gene encodes a member of the Microrchidia (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]