

Product datasheet for **RC200518L2V**

ZCWCC1 (MORC2) (NM_014941) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	ZCWCC1 (MORC2) (NM_014941) Human Tagged ORF Clone Lentiviral Particle
Symbol:	ZCWCC1
Synonyms:	CMT2Z; DIGFAN; ZCW3; ZCWCC1
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_014941
ORF Size:	2910 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC200518).
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.
RefSeq:	NM_014941.1
RefSeq Size:	4467 bp
RefSeq ORF:	2913 bp
Locus ID:	22880
UniProt ID:	Q9Y6X9
Cytogenetics:	22q12.2
MW:	110.7 kDa



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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]