Product datasheet for TL311427V

ZCWCC1 (MORC2) Human shRNA Lentiviral Particle (Locus ID 22880)

Product data:

Product Type:	shRNA Lentiviral Particles
Product Name:	ZCWCC1 (MORC2) Human shRNA Lentiviral Particle (Locus ID 22880)
Locus ID:	22880
Synonyms:	CMT2Z; DIGFAN; ZCW3; ZCWCC1
Vector:	pGFP-C-shLenti (TR30023)
Format:	Lentiviral particles
Components:	MORC2 - Human shRNA lentiviral particles (4 unique 29mer target-specific shRNA, 1 scramble control), 0.5 ml each, >10^7 TU/ml.
RefSeq:	NM_001303256, NM_001303257, NM_014941, NM_014941.1, NM_014941.2, NM_014941.3, NM_001303257.1, NM_001303257.2, NM_001303256.1, NM_001303256.2, BC019257, BC136782, BC141657, BM683680, NM_001303256.3
UniProt ID:	Q9Y6X9
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]
shRNA Design:	These shRNA constructs were designed against multiple splice variants at this gene locus. To be certain that your variant of interest is targeted, please contact techsupport@origene.com. If you need a special design or shRNA sequence, please utilize our custom shRNA service.

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Performance Guaranteed:

OriGene guarantees that the sequences in the shRNA expression cassettes are verified to correspond to the target gene with 100% identity. One of the four constructs at minimum are guaranteed to produce 70% or more gene expression knock-down provided a minimum transfection efficiency of 80% is achieved. Western Blot data is recommended over qPCR to evaluate the silencing effect of the shRNA constructs 72 hrs post transfection. To properly assess knockdown, the gene expression level from the included scramble control vector must be used in comparison with the target-specific shRNA transfected samples.

For non-conforming shRNA, requests for replacement product must be made within ninety (90) days from the date of delivery of the shRNA kit. To arrange for a free replacement with newly designed constructs, please contact Technical Services at techsupport@origene.com. Please provide your data indicating the transfection efficiency and measurement of gene expression knockdown compared to the scrambled shRNA control (Western Blot data preferred).