

## Product datasheet for **RC208836L2V**

### TORC2 (CRTC2) (NM\_181715) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	TORC2 (CRTC2) (NM_181715) Human Tagged ORF Clone Lentiviral Particle
Symbol:	TORC2
Synonyms:	TORC-2; TORC2
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_181715
ORF Size:	2079 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC208836).
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. <a href="#">More info</a>
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:	<a href="#">NM_181715.1</a> , <a href="#">NP_859066.1</a>
RefSeq Size:	2598 bp
RefSeq ORF:	2082 bp
Locus ID:	200186
UniProt ID:	<a href="#">Q53ET0</a>
Cytogenetics:	1q21.3
MW:	73.1 kDa



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**Gene Summary:**

This gene encodes a member of the transducers of regulated cAMP response element-binding protein activity family of transcription coactivators. These proteins promote the transcription of genes targeted by the cAMP response element-binding protein, and therefore play an important role in many cellular processes. Under basal conditions the encoded protein is phosphorylated by AMP-activated protein kinase or the salt-inducible kinases and is sequestered in the cytoplasm. Upon activation by elevated cAMP or calcium, the encoded protein translocates to the nucleus and increases target gene expression. Single nucleotide polymorphisms in this gene may increase the risk of type 2 diabetes. A pseudogene of this gene is located on the long arm of chromosome 5. [provided by RefSeq, Dec 2010]