

Product datasheet for RC208836L2V

OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

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

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OTI Disclaimer:

Sequence:

The ORF insert of this clone is exactly the same as(RC208836).

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: <u>NM 181715.1</u>, <u>NP 859066.1</u>

 RefSeq Size:
 2598 bp

 RefSeq ORF:
 2082 bp

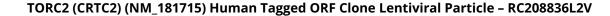
 Locus ID:
 200186

 UniProt ID:
 Q53ET0

 Cytogenetics:
 1q21.3

 MW:
 73.1 kDa







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]