

## Product datasheet for **RC202115L4V**

### **CREB1 (NM\_134442) Human Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

Product Type:	Lentiviral Particles
Product Name:	CREB1 (NM_134442) Human Tagged ORF Clone Lentiviral Particle
Symbol:	CREB1
Synonyms:	CREB; CREB-1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_134442
ORF Size:	1023 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC202115).
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_134442.2</a>
RefSeq Size:	3006 bp
RefSeq ORF:	1026 bp
Locus ID:	1385
UniProt ID:	<a href="#">P16220</a>
Cytogenetics:	2q33.3
Domains:	pKID, BRLZ
Protein Families:	Druggable Genome, Transcription Factors



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**Protein Pathways:** Antigen processing and presentation, Huntington's disease, Melanogenesis, Prostate cancer

**MW:** 36.5 kDa

**Gene Summary:** This gene encodes a transcription factor that is a member of the leucine zipper family of DNA binding proteins. This protein binds as a homodimer to the cAMP-responsive element, an octameric palindrome. The protein is phosphorylated by several protein kinases, and induces transcription of genes in response to hormonal stimulation of the cAMP pathway. Alternate splicing of this gene results in several transcript variants encoding different isoforms. [provided by RefSeq, Mar 2016]