

Product datasheet for RC216406L3

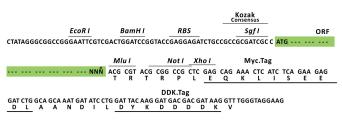
CREM (NM_182772) Human Tagged Lenti ORF Clone

Product data:

OriGene Technologies, Inc.

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Product Type:	Expression Plasmids		
Product Name:	CREM (NM_182772) Human Tagged Lenti ORF Clone		
Tag:	Myc-DDK		
Symbol:	CREM		
Synonyms:	CREM-2; hCREM-2; ICER		
Mammalian Cell Selection:	Puromycin		
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)		
E. coli Selection:	Chloramphenicol (34 ug/mL)		
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC216406).		
Restriction Sites:	Sgfl-Mlul		
Cloning Scheme:	Cloning sites used for ORF Shuttling:		
	GCG ATC GCC ATG NNN ACG CGT		

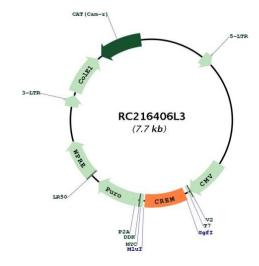


* The last codon before the Stop codon of the ORF.



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Plasmid Map:



NM_182772
621 bp
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. <u>More info</u>
This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
 Centrifuge at 5,000xg for 5min. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. Close the tube and incubate for 10 minutes at room temperature. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
<u>NM 182772.1</u>
1971 bp
624 bp

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	CREM (NM_182772) Human Tagged Lenti ORF Clone – RC216406L3
Locus ID:	1390
UniProt ID:	<u>Q03060</u>
Cytogenetics:	10p11.21
Protein Families:	Druggable Genome, Transcription Factors
MW:	23.3 kDa
Gene Summary:	This gene encodes a bZIP transcription factor that binds to the cAMP responsive element found in many viral and cellular promoters. It is an important component of cAMP-mediated signal transduction during the spermatogenetic cycle, as well as other complex processes. Alternative promoter and translation initiation site usage allows this gene to exert spatial and temporal specificity to cAMP responsiveness. Multiple alternatively spliced transcript variants encoding several different isoforms have been found for this gene, with some of them functioning as activators and some as repressors of transcription. [provided by RefSeq, Jul 2008]

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