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Product datasheet for SC333372

CREM (NM_001267568) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CREM (NM_001267568) Human Untagged Clone
Tag:	Tag Free
Symbol:	CREM
Synonyms:	CREM-2; hCREM-2; ICER
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC333372 representing NM_001267568. Blue=Insert sequence Red=Cloning site Green=Tag(s) GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC ATGGCTGTAACTGGAGATGACACAGCTGCCACTGGTGACATGCCAACTTACCAGATCCGAGCTCCTACT GCTGCTTTGCCACAGGGAGTGGTGATGGCTGCATCGCCCGGAAGTTTGCACAGTCCCCAGCAGCTGGCA GAAGAAGCAACACGCAAACGAGAGCTGAGGCTAATGAAAAACAGCCTTGTCAGAGTTTCTTCCTTGCCT TGCACTTCCTCTCCGTGCTGA ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
Restriction Sites:	SgfI-MluI

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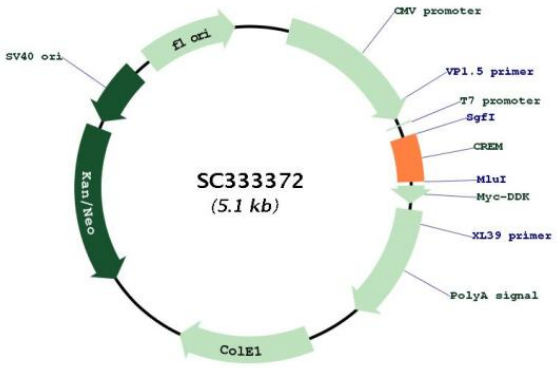
Plasmid Map:



ACCN:	NM_001267568
Insert Size:	228 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	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).

Reconstitution Method:	1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. 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.
RefSeq:	NM_001267568.1
RefSeq Size:	1692 bp
RefSeq ORF:	228 bp
Locus ID:	1390
Cytogenetics:	10p11.21
Protein Families:	Druggable Genome, Transcription Factors
MW:	7.9 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] Transcript Variant: This variant (29) has an alternate exon in place of the first six exons and has an alternate last exon compared to variant 1. The resulting isoform (29) has shorter and distinct N- and C-termini compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.