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Product datasheet for SC330762

CREM (NM_001267562) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CREM (NM_001267562) Human Untagged Clone
Tag:	Tag Free
Symbol:	CREM
Synonyms:	CREM-2; hCREM-2; ICER
Vector:	pCMV6-Entry (PS100001)
Fully Sequenced ORF:	>SC330762 representing NM_001267562. Blue=Insert sequence Red=Cloning site Green=Tag(s) ATGGCAGTACCAACTAGCATATATCAGACTAGCACGGGGCAATACATTGCTATAGCCCAAGGTGGAACA ATCCAGATTTCTAACCCAGGATCTGATGGTGTTCAGGGACTGCAGGCATTAACAATGACAAATTCAGGA GCTCCTCCACCAGGTGCTACAATTGTACAGTACGCAGCACAATCAGCTGATGGCACACAGCAGTTCTTT GTCCCAGGCAGCCAGGTTGTTGTTCAAGCTGCCACTGGTGACATGCCAACTTACCAGATCCGAGCTCCT ACTGCTGCTTTGCCACAGGGAGTGGTGATGGCTGCATCGCCCGGAAGTTTGCACAGTCCCCAGCAGCTG GCAGAAGAAGCAACACGCAAACGAGAGCTGAGGCTAATGAAAAACAGGGAAGCTGCCAAAGAATGTCGA CGTCGAAAGAAAGAATATGTAAAATGTCTGGAGAGCCGAGTTGCAGTGCTGGAAGTCCAGAACAAGAAG CTTATAGAGGAACTTGAAACCTTGAAAGACATTTGTTCTCCCAAAACAGATTACTAG
Restriction Sites:	SgfI-MluI
ACCN:	NM_001267562
Insert Size:	540 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).

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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_001267562.1
RefSeq Size:	2389 bp
RefSeq ORF:	540 bp
Locus ID:	1390
UniProt ID:	Q03060
Cytogenetics:	10p11.21
Protein Families:	Druggable Genome, Transcription Factors
MW:	19.2 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 (23) has an alternate first exon, lacks the exon containing the translation start codon, and uses an alternate splice junction at the 5' end of an exon compared to variant 1. The resulting isoform (23) is shorter at the N-terminus 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.