

Product datasheet for **RG235903**

CREM (NM_001267565) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CREM (NM_001267565) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CREM
Synonyms:	CREM-2; hCREM-2; ICER
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG235903 representing NM_001267565. Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGTGGTGGCATCAGCATAATCTATGTTTCAGGCGTCCTATAGAAGAGGATTATTCCTCAGGGGATGTG
GAAGAAAAGGCACAGTCTCGCTCTGTATCCAGGCTGGAGTGGGTGGCATGATCTCAGCTCACTGCAA
CCTCGAACTCCTGGTTCAAGAAATTCATGCCTCAGCCTCATGAGTAGCTGGGATTACAGGAAAATA
CTGAATGAAGTCTCTGATGTGCCTGGTGTCCCAAGATTGAAGAAGAGAGATCAGAGGAAGAAGGA
ACACCACCTAGTATTGCTACCATGGCAGTACCAACTAGCATATATCAGACTAGCACGGGCAATACAGT
ATGTATGCTGCAATTCGATATGATACAGTCTAGCTTTAAGTCTTCTC
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```

Protein Sequence: >Peptide sequence encoded by RG235903
Blue=ORF Red=Cloning site Green=Tag(s)

```
MWWHQHNLCFRRPIEEDYSSGDVEEKAQSRSVIQAGVRWHDLSLQPRTPGFKKFSCLSLMSSWDYRKI
LNELSSDVPGVPKIEEERSEEEGTPPSIATMAVPTSIYQSTGQYSMYAAIRYDVLALSLL
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRSNAIVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSMHFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

Restriction Sites: Sgfl-MluI

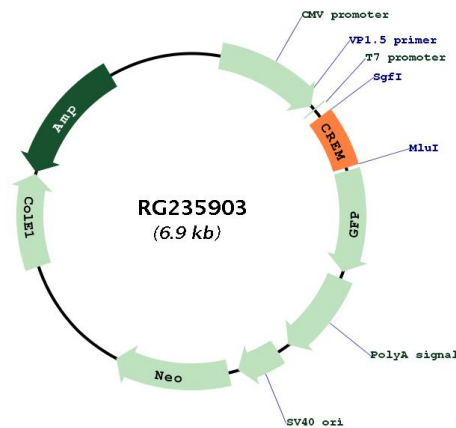


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Cloning Scheme:



Plasmid Map:



ACCN: NM_001267565

ORF Size: 393 bp

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. [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.
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).
RefSeq:	NM_001267565.1 , NP_001254494.1
RefSeq Size:	1118 bp
RefSeq ORF:	396 bp
Locus ID:	1390
Cytogenetics:	10p11.21
Protein Families:	Druggable Genome, Transcription Factors
MW:	15.4 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]