

Product datasheet for RN215834

Crem (NM_001271102) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Crem (NM_001271102) Rat Untagged Clone
 Tag: Tag Free
 Symbol: Crem
 Synonyms: Icer
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Cell Selection: Neomycin
 Fully Sequenced ORF: >RN215834 representing NM_001271102
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCAAAAGCCCAACATGGCTGTAAGTGGAGATGAAACTGCTGCCACAGGTGACATGCCAATTACCAGA
 TCCGAGCTCCTACTACTGCTTTGCCACAAGGTGTGGTGATGGCTGCCTCACCAGGGAGTCTGCACAGTCC
 CCAGCACTAGCAGAAGAAGCAACTCGAAAGCGGGAGCTGAGGCTGATGAAAAACAGGGAAGCTGCCCGG
 GAGTGTGCGCAGGAAGAAGAAAGAATATGTCAAATGTCTTGAAAAATCGTGTGGCTGTGCTTAAAAATCAA
 ACAAGACCTCATTGAGGAAGCAAGGCCCTCAAAGACCTTTATTGCCATAAAGCAGAGTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
 ACCN: NM_001271102
 Insert Size: 342 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).
 OTI Annotation: Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.



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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:	<ol style="list-style-type: none">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:	<u>NM_001271102.1, NP_001258031.1</u>
RefSeq Size:	3365 bp
RefSeq ORF:	342 bp
Locus ID:	25620
Cytogenetics:	17q12.1
Gene Summary:	<p>Transcriptional regulator that binds the cAMP response element (CRE), a sequence present in many viral and cellular promoters. Isoforms are either transcriptional activators or repressors. Isoform Delta is an activator. Plays a role in spermatogenesis and is involved in spermatid maturation. Binding of isoform Tau (activator) to CRE is increased by CREB3L4. The CREM isoform Tau-CREB3L4 heterodimer functions through CRE and may recruit HIRA to CRE to regulate histone exchange (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (5) differs in 5' UTR and 5' coding region, compared to variant 3. This results in a protein (isoform 5) that is shorter and has a distinct N-terminus compared to isoform 3.</p>