

## Product datasheet for **MC226934**

### Crem (NM\_001271505) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Crem (NM\_001271505) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Crem  
**Synonyms:** IC; ICER; ICERI  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC226934 representing NM\_001271505  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGAGCAAATGTGGCAGGAAAAAGTATATGAGGACAAATGTAAGGCAAATGACCATGGAAACAGTTGAAT  
CACAGCAGGATCGAAGTGAACACGTTCTGTGGCAGAGCATAGCTCTGCTCATATGCAGACTGGTCAAAT  
TTCTGTTCTACTCTAGCTCAGGTAGCAACAATTGCAGAGACAGATGATTCTGCAGACTCAGAAGTAATT  
GATTCGCATAAACGTAGAGAAATCTTTACGAAGACCCTCATATAGAAAATACTGAATGAACTTTCCT  
CTGATGTGCCTGGTATCCCAAGATTGAAGAAGAAAAATCAGAGGAAGAAGGGACACCACCTAACATTGC  
TACCATGGCAGTACCAACTAGCATATATCAGACTAGCACGGGCAATACATTGCTATAGCTCAAGGTGGA  
ACAATCCAGATTTCTAACCCAGGATCTGATGGTGTTCAGGGACTCCAGGCATTAACAATGACAAATTCAG  
GAGTCTCCGCCAGGTGCTACAATTGTACAGTATGCAGCACAATCAGCCGATGGTACACAGCAGTTCTT  
TGTCCCAGGCAGCCAGGTGTTGTTCAAGATGAGGAGACTGACCTTGCCCAAGTCACATGGCTGCTGCC  
ACAGGTGACATGCCAACTTACCAGATCCGAGCTCCTACTGCTTTGCCACAAGGTGTGGTGATGGCTG  
CCTCACCAGGAAGCCTGCACAGTCCCAGCAACTAGCAGAAGAAGCAACTCGCAAGCGGGAGCTGAGGCT  
GATGAAAAACAGGAAGCTGCCCGGAGTGTCCGAGGAAGAAGAATAATGTCAAATGTCTTGAAAAAT  
CGTGTGGCTGTGCTTAAAAACAAGACCCTCATTGAGGAACTCAAGGCCCTCAAAGACCTTTATT  
GCCATAAAGCAGAG**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001271505  
**Insert Size:** 927 bp



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<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">NM_001271505.1</a></u> , <u><a href="#">NP_001258434.1</a></u>
<b>RefSeq Size:</b>	2612 bp
<b>RefSeq ORF:</b>	927 bp
<b>Locus ID:</b>	12916
<b>UniProt ID:</b>	<u><a href="#">P27699</a></u>
<b>Cytogenetics:</b>	18 A1
<b>Gene Summary:</b>	<p>This gene encodes a basic-leucine zipper domain-containing protein that localizes to gene promoters, where it binds to the cyclic AMP response element (CRE). Different protein isoforms encoded by this gene may function as either activators or repressors of transcription. Activity of this gene is important in multiple developmental processes, including spermatogenesis. Mutation of this gene causes male infertility. Alternative splicing and promoter usage result in multiple transcript variants for this gene. [provided by RefSeq, Oct 2012]</p> <p>Transcript Variant: This variant (14, also known as tau 2 alpha) lacks an alternate in-frame exon and uses an alternate splice site in the 3' coding region, compared to variant 1. The encoded isoform (14) is shorter and has a distinct C-terminus, compared to isoform 1.</p> <p>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.</p>