

## Product datasheet for **MC208329**

### Crem (NM\_001110853) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Crem (NM\_001110853) 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:** >MC208329 representing NM\_001110853  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGTTTCTGTAGCTGGATCAGGCACTGGAAGAGGCTCCCCAGCTGTGACTCTAGTACAGTTACCTTCAG  
GCCAACTGTACAGGTCCAGGGAGTTATTCAGACACCACATCCATCGTTATTCAATCACCACAAATACA  
AACTGTTCAAGTACGAACAATTGCAGAGACAGATGATTCTGCAGACTCAGAAGTAATTGATTCGCATAAA  
CGTAGAGAAATCTTTCACGAAGACCCTCATATAGAAAAATACTGAATGAACTTTCTCTGATGTGCCTG  
GTATTCCTCAAGATTGAAGAAGAAAAATCAGAGGAAGAAGGGACACCACCTAACATTGCTACCATGGCAGT  
ACCAACTAGCATATATCAGACTAGCACGGGCAATACATTGCTATAGCTCAAGGTGGAACAATCCAGATT  
TCTAACCCAGGATCTGATGGTGTTCAGGGACTCCAGGCATTAACAATGACAAATTCAGGAGCTCCTCCGC  
CAGGTGCTACAATTGTACAGTATGCAGCACAATCAGCCGATGGTACACAGCAGTTCTTTGTCCCAGGCAG  
CCAGGTTGTTGTTCAAGATGAGGAGACTGACCTTGCCCCAAGTCACATGGCTGCTGCCACAGGTGACATG  
CCAACCTACCAGATCCGAGCTCCTACTACTGCTTTGCCACAAGGTGGTGTGGTATGGCTGCCACAGGAA  
GCCTGCACAGTCCCAGCAACTAGCAGAAGAAGCAACTCGCAAGCGGGAGCTGAGGCTGATGAAAAACAG  
GGAAGCTGCTAAAGAATGTCGACGTGAAAGAAAGAGTATGTAAGTGTCTTGAGAGTCGAGTCGACAGT  
CTGGAAGTTCAGAACAAGAAGCTTATAGAGGAGCTTGAACTTTGAAAGACATTTGCTCTCCCAAAACAG  
AT**TAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001110853  
**Insert Size:** 915 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>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>                | <a href="#">NM_001110853.2</a> , <a href="#">NP_001104323.1</a>   |
| <b>RefSeq Size:</b>           | 2270 bp   |
| <b>RefSeq ORF:</b>            | 915 bp  |
| <b>Locus ID:</b>              | 12916   |
| <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 (9) differs in the 5'UTR, lacks a portion of the 5' coding region, and initiates translation at an alternate start codon, compared to variant 1. The encoded isoform (9) has a shorter N-terminus, compared to isoform 1.</p> |