

## Product datasheet for MC208325

### Crem (NM\_001110857) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Crem (NM_001110857) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Crem
Synonyms:	IC; ICER; ICERI
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC208325 representing NM_001110857 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGAGCAAATGTGGCAGGAAAAAGTATATGAGGACAAATGTAAGGCAAATGACCATGGAACAGTTGAAT  
 CACAGCAGGATCGAAGTGTAAACACGTTCTGTGGCAGAGCATAGCTCTGCTCATATGCAGACTGGTCAAAT  
 TTCTGTTCTACTCTAGCTCAGGTAGCAACAATTGCAGAGACAGATGATTCTGCAGACTCAGAAGTAATT  
 GATTTCGCATAAACGTAGAGAAATTTTTCACGAAGACCCTCATATAGAAAAATACTGAATGAACCTTCCT  
 CTGATGTGCCTGGTATTTCCAAGATTGAAGAAGAAAAATCAGAGGAAGAAGGGACACCACCTAACATTGC  
 TACCATGGCAGTACCAACTAGCATATATCAGACTAGCACGGGGCAATACAATGAGGAGACTGACCTTGCC  
 CCAAGTCACATGGCTGCTGCCACAGGTGACATGCCAACTTACCAGATCCGAGCTCCTACTACTGCTTTGC  
 CACAAGGTGTGGTGATGGCTGCCTCACCAGGAAGCCTGCACAGTCCCCAGCAACTAGCAGAAGAAGCAAC  
 TCGCAAGCGGGAGCTGAGGCTGATGAAAAACAGGGAAGCTGCTAAAGAAATGTCGACGTCGAAAGAAAGAG  
 TATGTGAAGTGTCTTGAGAGTCGAGTCGCAGTGCTGGAAGTTCAGAACAGAAGCTTATAGAGGAGCTTG  
 AAACCTTTGAAAGACATTTGCTCTCCCAAACAGATT**AG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	SgfI-MluI
ACCN:	NM_001110857
Insert Size:	738 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>Note:</b>	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
<b>RefSeq:</b>	<u>NM_001110857.2, NP_001104327.1</u>
<b>RefSeq Size:</b>	2026 bp
<b>RefSeq ORF:</b>	738 bp
<b>Locus ID:</b>	12916
<b>UniProt ID:</b>	<u>P27699</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 (5, also known as beta) lacks two alternate in-frame exons, compared to variant 1. The structure of this variant is characterized in PMID: 1847666. The encoded isoform (5) is shorter than isoform 1. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>