

Product datasheet for **MC208323**

Crem (NM_001110854) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Crem (NM_001110854) 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: >MC208323 representing NM_001110854
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCAAAAGCCCAACATGGCTGTAAGTGGAGATGAACTGATGAGGAGACTGACCTTGCCCAAGTCACA
TGGCTGCTGCCACAGGTGACATGCCAATTACCAGATCCGAGCTCCTACTACTGCTTTGCCACAAGGTGT
GGTGATGGCTGCCTCACCAGGAAGCCTGCACAGTCCCCAGCAACTAGCAGAAGAAGCAACTCGCAAGCGG
GAGCTGAGGCTGATGAAAAACAGGGAAGCTGCCCGGGAGTGTCCGAGGAAGAAGAAATATGTCAAAT
GTCTTGAAAATCGTGTGGCTGTGCTTGAAAATCAAACAAGACCTCATTGAGGAACTCAAGGCCCTCAA
AGACCTTTATTGCCATAAAGCAGAG**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI

ACCN: NM_001110854

Insert Size: 378 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).

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).



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Reconstitution Method:

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: [NM_001110854.1](#), [NP_001104324.2](#)

RefSeq Size: 2046 bp

RefSeq ORF: 378 bp

Locus ID: 12916

UniProt ID: [P27699](#)

Cytogenetics: 18 A1

Gene Summary: 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]

Transcript Variant: This variant (10) contains multiple differences in the UTRs and coding region, including lacking multiple exons, compared to variant 1. It represents use of an alternate promoter and contains an alternate 5' coding region. The encoded isoform (10) is shorter and has distinct N- and C- termini, compared to isoform 1.