

## Product datasheet for **RN200278**

### Creb1 (NM\_031017) Rat Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Creb1 (NM\_031017) Rat Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Creb1  
**Synonyms:** Creb  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >RN200278 representing NM\_031017  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGACCATGGACTCTGGAGCAGACAACCAGCAGAGTGGAGATGCTGCTGTAAACAGAAGCTGAAAGTCAAC  
AAATGACAGTTCAAGCCCAGCCACAGATTGCCACATTAGCCCAGGTATCCATGCCAGCAGCTCATGCGAC  
GTCATCTGCTCCCACTGTAACCTTAGTGCAGCTGCCCAATGGGCAGACAGTCCAGGTCCATGGGGTCATC  
CAGGCGGCCAGCCATCAGTTATTCAGTCTCCACAAGTCCAAACAGTTCAGTCTTCTGTAAGGACTTAA  
AAAGACTTTTTCTCCGGAACCTCAGATTTCAACTATTGCAGAAAGTGAAGATTACACAGGAGTCTGTGGATAG  
TGTAAGTATTCCAAAAACGAAGGGAAATCCTTTCAAGGAGGCCTTCTACAGGAAAAATTTGAATGAC  
TTATCTTCTGATGCACCAGGGGTGCCAAGGATTGAAGAAGAAAAATCAGAAGAAGAGACTTCAGCCCTG  
CCATCACCAGTGAACAGTGCCAACCCGATTTACCAAATAGCAGTGGCAGTATATTGCCATTACCCA  
GGGAGGAGCAATACAGCTGGCTAACAATGGTACCGATGGGTACAGGGCTGCAGACATTAACCATGACC  
AATGCAGCTGCCACTCAGCCGGTACTACCATTCTACAATATGCACAGACCACTGATGGACAGCAGATTC  
TAGTGCCAGCAACCAAGTTGTTGTTCAAGCTGCCTCTGGTATGTACAACATACCAGATTCGCACAGC  
ACCCACTAGCACCATTGCCCTGGAGTTGTTATGGCGTCTCCAGCACTTCTACACAGCCTGTGAA  
GAAGCAGCACGAAAGAGAGAGGTTCTGCTAATGAAGAACAGGGAAGCAGCAAGAGAAATGTCGTAGAAAGA  
AGAAAGAATATGTGAAATGTTTAGAGAACAGAGTGGCAGTGCTTGAAAACCAAAAACAAACATTGATTGA  
GGAGCTAAAAGCACTTAAGGACCTTACTGCCACAAGTCAGAT**TAA**

**ACGGT**ACGGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_031017



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<b>Insert Size:</b>	1026 bp
<b>OTI Disclaimer:</b>	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a></p>
<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_031017.1</a> , <a href="#">NP_112279.1</a>
<b>RefSeq Size:</b>	1125 bp
<b>RefSeq ORF:</b>	1026 bp
<b>Locus ID:</b>	81646
<b>UniProt ID:</b>	<a href="#">P15337</a>
<b>Cytogenetics:</b>	9q32
<b>Gene Summary:</b>	binds the cAMP response element in many gene promoters and regulates transcription [RGD, Feb 2006]