

## Product datasheet for MC212935

### Creb5 (NM\_172728) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Creb5 (NM_172728) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Creb5
Synonyms:	9430076C15Rik; CRE-BPa; Crebpa; D430026C09Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC212935 representing NM_172728 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTCCATGAGGCCTGTCCAGGCTCTCTATCATCTCTACTCCATCTCCACAACAGACAGAGGCAGCCCA  
TGCCGGCTCCATGCCTGGAACCCTGCCAACCCACCATGCCAGGATCTTCTGCCGTCTTGATGCCTAT  
GGAGAGACAGATGTCAGTGAACCCAGCATCATGGCATGCAAGGTCCAAACCTCAGCAACCCTGTGCT  
TCTCCCAAGTCCAGCCAATGCATTGAAAGCCAAAATGAGACTGAAGGCTGCGTGACTCACCATCCTG  
CCGCCATGTCGAACGGGAACATGAGCACCATCGGACACATGATGGAGATGATGGGCTCCCGCAAGACCA  
GACACCGCACCACCCTGCACTCACACCCGCATCAGCACCAGACTGCCGCCACCACCCTACCCA  
CACCAGCACCAGCACCCTGCACACCATCCCAACCCACAGCCTCACCACCAGCAGAACCACCAGCACCACC  
ACTCCATTCCACCTTACGCACACCCGGCGCACCACCAGACCTCGCCACACCACCCTGCCACCAGG  
CAACCAAGCACAGGTTTACCAGCTACACAACAGATGCAGCAACCCAGACAATACAACCGCCCAAGCC  
ACAGGGGACGCCGGGAAGAGTGGTGGATGAGGACCCAGATGAGAGGCGGAGGAAATTTCTGAAAAGGA  
ACCGGGCCGCCACCCTGTCAGACAGAAGAGGAAGGTCTGGGTGATGTCCTGAAAAGAAAGCTGA  
AGAGCTCACCAGACAACATGCAGCTTCAGAAATGAAGTGTCCATGTTGAAAACGAGGTGGCCAGCTG  
AAGCAGTTGTTGTTAACACATAAAGACTGTCGATAACAGCCATGCAGAAAGAATCCCAAGGTATTTAA  
GTCCAGAGAGCAGCCCTCTGCGAGCCCTGTGCCAGCATGCTCTCAGCAGCAAGTTATCCAACACACAC  
CATCACTACATCCTCATCGGTGACGAGGTCGTGGGAGCTCCACCCTCAGTCAGCTTACAACCTACAGA  
ACAGACCTGAATCCTATTCTTAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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<b>ACCN:</b>	NM_172728
<b>Insert Size:</b>	1074 bp
<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>	<u><a href="#">NM_172728.2</a></u> , <u><a href="#">NP_766316.1</a></u>
<b>RefSeq Size:</b>	2873 bp
<b>RefSeq ORF:</b>	1074 bp
<b>Locus ID:</b>	231991
<b>UniProt ID:</b>	<u><a href="#">Q8K1L0</a></u>
<b>Cytogenetics:</b>	6 25.9 cM
<b>Gene Summary:</b>	<p>Binds to the cAMP response element and activates transcription.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) represents use of an alternate promoter and therefore differs in the 5' UTR and 5' coding region, compared to variant 1. These differences result in an isoform (2) with a shorter and distinct N-terminus, compared to isoform 1.</p>