

Product datasheet for MC208319

Creb1 (NM_001037726) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Creb1 (NM_001037726) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Creb1
Synonyms:	2310001E10Rik; 3526402H21Rik; AV083133; Creb; Creb-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC208319 representing NM_001037726 Red=Cloning site Blue=ORF Orange=Stop codon

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**C

ATGCCAGCAGCTCATGCAACATCATCTGCTCCCACTGTAACTTAGTGCAGCTGCCAATGGGCAGACAG
 TCCAGGTCCATGGCGTTATCCAGGCGGCCAGCCATCAGTTATCCAGTCTCCACAAGTCCAAACAGTTCA
 GATTTCAACTATTGCAGAAAGTGAAGATTCACAGGAGTCTGTGGATAGTGAAGTATCCCAAAACGA
 AGGGAAATCCTTTCAAGGAGGCCTTCTACAGGAAAATTTGAATGACTTATCTTCTGATGCACCAAGGG
 TGCCAAGGATTGAAGAAGAAAAGTCAGAAGAGGAGACTTCAGCCCCTGCCATCACCAGTGAACAGTGCC
 AACCCCTTTTACCAAACTAGCAGTGGGAGTACATTGCCATTACCCAGGAGGAGCAATACAGCTGGCT
 AACCAATGGTACGGATGGGTACAGGGCCTGCAGACATTAAACATGACCAATGCAGCTGCCACTCAGCCGG
 GTACTACCATCTACAGTATGCACAGACCACTGATGGACAGCAGATTCTAGTGCCAGCAACCAAGTTGT
 TGTTCAAGCTGCCTCAGGCGATGTACAAACATACCAGATCCGCACAGCACCCACGAGCACCATTGCCCT
 GGAGTTGTTATGGCGTCTCCCAAGCACTTCTACACAGCCTGCTGAAGAAGCAGCAGGAAGAGAGAGG
 TCCGTCTAATGAAGAAGAGGAGGAGCAGCAAGAGAATGTCGTAGAAAGAAGAAAGAATATGTGAAATGTTT
 AGAGAACAGAGTGGCAGTGCTTGAAAACCAAAACAAACATTGATTGAGGAGCTAAAAGCACTTAAGGAC
 CTTTACTGCCACAAATCAGAT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	SgfI-MluI
ACCN:	NM_001037726
Insert Size:	864 bp


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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).
Reconstitution Method:	<ol style="list-style-type: none"> 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_001037726.1, NP_001032815.1</u>
RefSeq Size:	8267 bp
RefSeq ORF:	864 bp
Locus ID:	12912
Cytogenetics:	1 32.74 cM
Gene Summary:	<p>Phosphorylation-dependent transcription factor that stimulates transcription upon binding to the DNA cAMP response element (CRE), a sequence present in many viral and cellular promoters. Transcription activation is enhanced by the TORC coactivators which act independently of Ser-133 phosphorylation. Involved in different cellular processes including the synchronization of circadian rhythmicity and the differentiation of adipose cells. [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (C) lacks an alternate in-frame exon in the 5' coding region and uses a downstream start codon, compared to variant A. The encoded protein (isoform C) has a shorter N-terminus, compared to isoform A. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>