

## Product datasheet for **SC313750**

### CREB5 (NM\_004904) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** CREB5 (NM\_004904) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** CREB5  
**Synonyms:** CRE-BPA; CREB-5; CREBPA  
**Vector:** pCMV6 series  
**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_004904, the custom clone sequence may differ by one or more nucleotides

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ATGAATTTGGAGCAGGAGAGGCCGTTTGTCTGCAGTGCCCCAGGCTGCTCCCAGCGCTTC
CCAACAGAGGACCATCTGATGATTCATAGGCACAAACATGAAATGACTTTGAAGTTTCT
TCAATAAAAACAGACAATATGTTATCAGATCAAACCTCCGACCCCAACGAGATTCTGAAG
AACTGCGAGGAGGTGGGCTCTTCAGCGAGCTGGACTGCTCCCTGGAGCACGAGTTCAGG
AAGGCTCAGGAAGAGGAGAGCAGCAAGCGGAATATCTCGATGCATAATGCAGTTGGTGGG
GCCATGACGGGGCCCGAACTCACCAGCTTAGCAGCGCTCGGCTGCCCAACCATGACACC
AACGTTGTGATTCAGCAAGCCATGCCGTGCGCTCAGTCCAGCTCTGTCACTCAGGCA
CCTTCCACCAACCGCCAGATCGGGCCTGTCCCAGGCTCTCTATCTCTCTGCTACATCTC
CACAACAGACAGAGACAGCCCATGCCAGCCTCCATGCCTGGGACCCTGCCCAACCCCTACA
ATGCCAGGATCTTCCGCCGTCTTGATGCCAATGGAGCGACAAATGTCAGTGAACCTCCAGC
ATCATGGGGATGCAAGGTCCAAATCTCAGCAACCCCTGTGCTTCTCCCCAGGTCCAGCCA
ATGCATTGAGAAGCCAAATGAGGTTGAAGGCTGCATTGACTCACCACCTGTGCCATG
TCAAATGGGAACATGAACACCATGGGACACATGATGGAGATGATGGGCTCCCGGCAGGAC
CAGACGCCACACCATCACATGCACTCGCACCCGCATCAGCACCAGACACTGCCACCCCAT
CACCCTTACCCACACCAGCACCAGCACCAGCACACCATCCTCACCCCTAACCCCATCAC
CAGCAGAACCATCCACATCACCCTCCATTCCACCTTCATGCACACCCAGCACATCAC
CAGACCTCGCCACATCCGCCCTGCACACCGGCAACCAAGCACAGGTTTACCAGCAACA
CAACAGATGCAGCAACCCAGACAATACAGCCACCCAGCCACAGGGGGGCGCCGGCGA
AGGGTGGTAGACGAGGATCCGGACGAGAGGCGCGGAAATTTCTGGAACGGAACCGGCA
GCTGCCACCCGCTGCAGACAGAAGAGGAAGGTCTGGGTGATGTCATTGAAAAAGAAAGCA
GAAGAACTCACCCAGACAACATGCAGCTTCAGAAATGAAGTGTCTATGTTGAAAAATGAG
GTGGCCAGCTGAAACAGTTGTTGTTAACACATAAAGACTGCCCAATAACAGCCATGCAG
AAAGAATCACAAGGATATCTAAGTCCAGAGAGTAGCCCTCCTGCTAGTCTGTCCAGCT
TGCTCCCAGCAACAAGTCATCCAGCATAATACCATCACTACTTCTCATCGGTACAGGAG
GTGGTAGGAAGCTCCACCCTCAGCCAGCTCACCCTCACAGAACAGACCTGAATCCGATT
CTT
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**Restriction Sites:** Please inquire  
**ACCN:** NM\_004904



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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>OTI Annotation:</b>	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
<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_004904.2</a> , <a href="#">NP_004895.2</a>
<b>RefSeq Size:</b>	8213 bp
<b>RefSeq ORF:</b>	1506 bp
<b>Locus ID:</b>	9586
<b>UniProt ID:</b>	<a href="#">Q02930</a>
<b>Cytogenetics:</b>	7p15.1
<b>Domains:</b>	BRLZ, zf-C2H2
<b>Protein Families:</b>	Transcription Factors
<b>Protein Pathways:</b>	Huntington's disease, Prostate cancer
<b>Gene Summary:</b>	<p>The product of this gene belongs to the CRE (cAMP response element)-binding protein family. Members of this family contain zinc-finger and bZIP DNA-binding domains. The encoded protein specifically binds to CRE as a homodimer or a heterodimer with c-Jun or CRE-BP1, and functions as a CRE-dependent trans-activator. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (2) lacks a 5' exon and uses an alternate 5' terminal exon which results in the use of a downstream in-frame start codon, compared to variant 1. It encodes isoform beta which has a shorter N-terminus compared to isoform alpha. 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>