

## Product datasheet for **RG218321**

### **CREB5 (NM\_182899) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	CREB5 (NM_182899) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CREB5
Synonyms:	CRE-BPA; CREB-5; CREBPA
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG218321 representing NM\_182899  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGATTATAGGCACAAACATGAAATGACTTTGAAGTTTCCTTCAATAAAAAACAGACAATATGTTATCAG  
 ATCAAACCTCCGACCCCAACGAGATTCTGAAGAACTGCGAGGAGGTGGGCTCTTCAGCGAGCTGGACTG  
 CTCCTTGAGCAGGATTCAGGAAGGCTCAGGAAGAGGAGCAGCAAGCGGAATATCTCGATGCATAAT  
 GCAGTTGGTGGGGCCATGACGGGGCCGGAACCTACCAGCTTAGCAGCGCTCGGCTGCCAACCATGACA  
 CCAACGTTGTGATTCAGCAAGCCATGCCGTCGCTCAGTCCAGCTCTGTCATCACTCAGGCACCTCCAC  
 CAACCGCCAGATCGGGCTGTCCAGGCTCTCTATCTTCTCTGCTACATCTCCACAACAGACAGAGACAG  
 CCCATGCCAGCCTCCATGCCTGGGACCTGCCAACCCCTACAATGCCAGGATCTCCGCCGCTTTGATGC  
 CAATGGAGCGACAAATGTCAGTGAAGTCCAGCATCATGGGGATGCAAGGTCCAAATCTCAGCAACCCCTG  
 TGCTTCTCCCAGGTCCAGCCAATGCATTCAGAAGCCAAAATGAGGTTGAAGGCTGCATTGACTCACCAC  
 CCTGCTGCCATGTCAAATGGGAACATGAACACCATGGGACACATGATGGAGATGATGGGCTCCCGCAGG  
 ACCAGACGCCACACCATCACATGCACTCGACCCCGCATCAGCACCAGACACTGCCACCCCATCACCTTA  
 CCCACACCAGCACCAGCACCAGCACACCATCCTCACCTCAACCCCATCACCAGCAGAACCATCCACAT  
 CACCACTCCCATTCCCACCTTATGCACACCCAGCACATCACCAGACCTCGCCACATCCGCCCTGCACA  
 CCGCAACCAAGCACAGGTTTACCAGCAACACAACAGATGCAGCCAACCCAGACAATACAGCCACCCCA  
 GCCACAGGGGGCGCCGGCGAAGGGTGGTAGACGAGGATCCGGACGAGAGGGCGCGGAAATTTCTGGAA  
 CGGAACCGGGCAGCTGCCACCCGCTGCAGACAGAAGAGGAAGGTCTGGGTGATGTCATTGGAAAAGAAAG  
 CAGAAGAACTCACCCAGACAAACATGCAGCTTCAGAATGAAGTGTCTATGTTGAAAAATGAGGTGGCCCA  
 GCTGAAAACAGTTGTTGTTAACACATAAAGACTGCCCAATAACAGCCATGCAGAAAAGAAATCACAAGGATAT  
 CTAAGTCCAGAGAGTAGCCCTCCTGCTAGTCTGTCCCAGCTTGCTCCCAGCAACAGTCAATCCAGCATA  
 ATACCATCACTACTTCTCATCGGTGAGGAGGTGGTAGGAAGCTCCACCTCAGCCAGCTCACCACTCA  
 CAGAACAGACCTGAATCCGATTCTT

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:**

>RG218321 representing NM\_182899  
 Red=Cloning site Green=Tags(s)

MIHRHKHEMTLKFPSIKTDNMLSDQTPTRFLKNCEEVGLFSELDLSLEHEFRKAQEEESSKRNISMHN  
 AVGGAMTGPGTHQLSSARLPNHDTNVIQQAMPSPQSSSVITQAPSTNRQIGPVPGLSSLLHLHNRQRQ  
 PMPASMPGTLNPMTMPGSSAVLMPMERQMSVNSSIMGMQGNLSNPCASPVQPMHSEAKMRLKAALTHH  
 PAAMSNMNTMGHMEMMMSRQDQTPHHMHSHPHQHQLPPHHPYPHQHQPAAHHPHPHHQNHHPH  
 HSHSHLHAHPAHHQTSPPPLHTGNQAVSPATQQMQPTQTIQPPPTGGRRRRVDEDPDERRRKFLE  
 RNRAAATRRCRQKRKVWVMSLEKKAELTQTNMQLQNEVSMLKNEVAQLKQLLLTHKDCPITAMQKESQGY  
 LSPESPASPVPACSQQVIQHNTITSSSVSEVVGSSTLSQLTTHRTDLNPIL

**TRTRPLE** - GFP Tag - V

**Restriction Sites:**

Sgfl-MluI



<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_182899.4</a>
<b>RefSeq Size:</b>	8188 bp
<b>RefSeq ORF:</b>	1428 bp
<b>Locus ID:</b>	9586
<b>UniProt ID:</b>	<a href="#">Q02930</a>
<b>Cytogenetics:</b>	7p15.1
<b>Protein Families:</b>	Transcription Factors
<b>Protein Pathways:</b>	Huntington's disease, Prostate cancer
<b>Gene Summary:</b>	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]