

Product datasheet for **RC223869**

CREB5 (NM_004904) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CREB5 (NM_004904) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CREB5
Synonyms:	CRE-BPA; CREB-5; CREBPA
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC223869 representing NM_004904
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAATTTGGAGCAGGAGAGGCCGTTTGTCTGCAGTGCCCAAGGCTGCTCCAGCGCTTCCAACAGAGG
 ACCATCTGATGATTCATAGGCACAAACATGAAATGACTTTGAAGTTTCCTTCAATAAAAAACAGACAATAT
 GTTATCAGATCAAACCTCCGACCCCAACGAGATTCTGAAGAACTGCGAGGAGGTGGGCTCTTCAGCGAG
 CTGGACTGCTCCCTGGAGCAGGTTTCAGGAAGGCTCAGGAAGAGGAGAGCAGCAAGCGGAATATCTCGA
 TGCATAATGCAGTTGGTGGGGCCATGACGGGGCCCGAACTACCAGCTTAGCAGCGCTCGGCTGCCCAA
 CCATGACACCAACGTTGTGATTAGCAAGCCATGCCGTCGCTCAGTCCAGCTCTGTCTACTCAGGCA
 CCTTCCACCAACCGCCAGATCGGGCCTGTCCAGGCTCTCTATCTTCTGCTACATCTCCACAACAGAC
 AGAGACAGCCCATGCCAGCTCCATGCCGGGACCTGCCCAACCCTACAATGCCAGGATCTTCCGCGGT
 CTTGATGCCAATGGAGCGACAAATGTCAGTGAAGTCCAGCATCATGGGGATGCAAGTCCAATCTCAGC
 AACCCCTGTGCTTCTCCAGGTCAGCCAATGCATTCAGAAGCCAAAATGAGGTTGAAGGCTGCATTGA
 CTCACCACCTGCTGCCATGTCAAATGGGAACATGAACACCATGGGACACATGATGGAGATGATGGGCTC
 CCGGCAGGACCAGACGCCACCATCACATGCACTCGCACCCGCATCAGCACCAGACACTGCCACCCCAT
 CACCCCTTACCCACACCAGCACCAGCACCAGCACCATCCTCACCTCAACCCCATCACCAGCAGAACC
 ATCCACATCACCCTCCATTCCACCTTATGCACACCCAGCACATCACCAGACCTCGCCACATCCGCC
 CCTGCACACCGGCAACCAAGCACAGTTTCACCAGCAACAACAGATGCAGCAACCCAGACAATACAG
 CCACCCAGCCACAGGGGGCGCCGGCGAAGGTTGGTAGACGAGGATCCGGACGAGAGGGCGGGAAT
 TTCTGGAACGGAACCGGGCAGCTGCCACCCGTCAGACAGAAGAGGAAGTCTGGGTGATGTCATTGGA
 AAAGAAAAGCAGAAGAAGTCAACCCAGACAACATGCAGCTTCAGAATGAAGTGTCTATGTTGAAAAATGAG
 GTGGCCAGCTGAAACAGTTGTTGTTAACACATAAAGACTGCCCAATAACAGCCATGCAGAAAGAATCAC
 AAGGATATCTAAGTCCAGAGAGTAGCCCTCCTGCTAGTCTGTCCAGCTTGCTCCAGCAACAAGTCAT
 CCAGCATAATACCATCACTACTTCTCATCGGTCAGCGAGGTGGTAGGAAGCTCCACCTCAGCCAGCTC
 ACCACTCACAGAACAGACCTGAATCCGATTCTT

ACGCGTACGCGGGCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC223869 representing NM_004904
 Red=Cloning site Green=Tags(s)

MNLEQERPFVCSAPGCSQRFPTEHLMIHHRKHMETLKFPSIKTDNMLSDQTPTPTRLKNC EEVGLFSE
 LDCSLEHEFRKAQEEESSKRNI SMHNAVGGAMTGPETHQLSSARLPNHDTNVIQQAMPSPQSSSVITQA
 PSTNRQIGVPGSLSSLLHLHNRQRQPMPASMPGTL PNPMPGSSAVLMPMERQMSVNSSIMGMQGPNLS
 NPCASPQVQPMHSEAKMRLKAAL THHPAAMSNGNMNTMGHMEMMGSRDQTPHHMHSHPHQHQLP
 HPYPHQHQAHPHPQPHHQNHPHHSHSLHAHPAHHQTSHPPLHTGNQAQVSPATQMQPTQTIQ
 PPQPTGRRRRVDEDPDERRRKF LERNRAAATRCRQKRKVVMSLEKKA EELTQTNMQLQNEVSM LKNE
 VAQLKQLLLTHKDCPITAMQKESQGYLSPESPASPVPACSQQVIQHNTITSSSVSEVVGSTLSQL
 TTHRTDLNPIL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk8063_g03.zip

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_004904

ORF Size: 1503 bp

OTI Disclaimer: 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. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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:

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.

RefSeq: [NM_004904.3](#)

RefSeq Size: 8213 bp

RefSeq ORF: 1506 bp

Locus ID: 9586

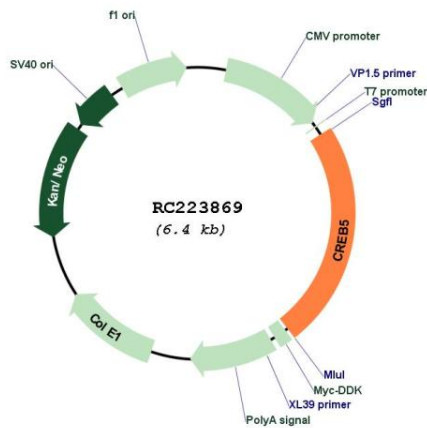
UniProt ID: [Q02930](#)

Cytogenetics: 7p15.1

Domains: BRLZ, zf-C2H2
Protein Families: Transcription Factors
Protein Pathways: Huntington's disease, Prostate cancer
MW: 55.9 kDa

Gene Summary: 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]

Product images:



Circular map for RC223869