

## Product datasheet for **RC225168**

### CNBP (NM\_001127195) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** CNBP (NM\_001127195) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** CNBP  
**Synonyms:** CNBP1; DM2; PROMM; RNF163; ZCCHC22; ZNF9  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RC225168 representing NM\_001127195  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGAGCAGCAATGAGTGTCTCAAGTGTGGACGATCTGGCCACTGGGCCCGGAATGTCCTACTGGTGGAG  
 GCCGTGGTCGTGGAATGAGAAGCCGTGGCAGAGTTTCCAGTTTGTTCCTCGTCTTCCAGACATTTG  
 TTATCGCTGTGGTGTGCTGATCTTCCCAAGGATTGTGATCTCAGGAGGATGAAGCCTGCTATAAC  
 TCGCGTAGAGGTGGCCACATTGCCAAGGACTGCAAGGAGCCCAAGAGAGCGAGAGCAATGCTGCTACA  
 ACTGTGGCAAACAGGCCATCTGGCTCGTACTGCGACCATGCAGATGAGCAGAAATGCTATTCTGTGG  
 AGAATTCGGACACATTCAAAAGACTGCACAAAGTGAAGTGCTATAGGTGTGGTAAAAGTGGTCAATGTA  
 GCCATCAACTGCAGCAAGACAAGTGAAGTCAACTGTTACCGCTGTGGCGAGTCAGGGCACCTGCACGGG  
 AATGCACAATTGAGGCTACAGCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC225168 representing NM\_001127195  
 Red=Cloning site Green=Tags(s)

MSSNECFKCGRSWHARECPTGGGRGRGMRSRGRGFQVSSSLPDIYRCGESGHLAKDCDLQEDEACYN  
 CGRGGHIAKDCKEPREREQCCYNGKPGHLARDCDHADEQKCYSCGEFGHIQKDCTKVKCYRCGETGHV  
 AINCSKTSEVNCYRCGESGHLARECTIEATA

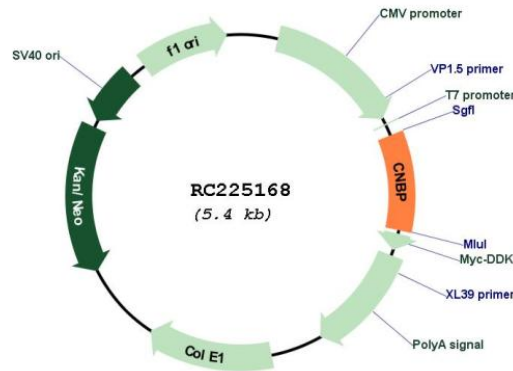
**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI



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**Cloning Scheme:**

**Plasmid Map:**


**ACCN:** NM\_001127195

**ORF Size:** 513 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.

<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_001127195.2</a>
<b>RefSeq Size:</b>	3375 bp
<b>RefSeq ORF:</b>	516 bp
<b>Locus ID:</b>	7555
<b>UniProt ID:</b>	<a href="#">P62633</a>
<b>Cytogenetics:</b>	3q21.3
<b>Protein Families:</b>	Druggable Genome, Transcription Factors
<b>MW:</b>	18.9 kDa
<b>Gene Summary:</b>	This gene encodes a nucleic-acid binding protein with seven zinc-finger domains. The protein has a preference for binding single stranded DNA and RNA. The protein functions in cap-independent translation of ornithine decarboxylase mRNA, and may also function in sterol-mediated transcriptional regulation. A CCTG expansion from <30 repeats to 75-11000 repeats in the first intron of this gene results in myotonic dystrophy type 2. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2016]