

Product datasheet for **RC225174**

CNBP (NM_001127194) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: CNBP (NM_001127194) 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: >RC225174 representing NM_001127194
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGAGCAGCAATGAGTGTCTCAAGTGTGGACGATCTGGCCACTGGGCCCGGAATGTCCTACTGGTGGAG
 GCCGTGGTCGTGGAATGAGAAGCCGTGGCAGAGTTTCCAGTTTGTTCCTCGTCTTCCAGACATTTG
 TTATCGCTGTGGTGTGAGTCTGGTCACTTCCCAAGGATTGTGATCTCAGGAGGATGTTGAAGCCTGCTAT
 AACTGCGGTAGAGGTGGCCACATTGCCAAGGACTGCAAGGAGCCCAAGAGAGAGCGAGAGCAATGCTGCT
 ACAACTGTGGCAAACCAGGCCATCTGGCTCGTACTGCGACCATGCAGATGAGCAGAAATGCTATTCTTG
 TGGAGAATTCGGACACATTCAAAAAGACTGCACCAAAGTGAAGTCTATAGGTGTGGTAAAAGTGGTCA
 GTAGCCATCAACTGCAGCAAGACAAGTGAAGTCAACTGTTACCGCTGTGGCGAGTCAGGGCACCTTGAC
 GGGAATGCACAATTGAGGCTACAGCC

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC225174 representing NM_001127194
 Red=Cloning site Green=Tags(s)

MSSNECFKCGRSGHWARECPTGGGRGRGMRSRGRGFQVSSSLPDI CYRCGESGHLAKDCDLQEDVEACY
 NCGRGGHIAKDCKEPREREQCCYNCGKPGHLARDCDHADEQKCYSCGEFGHIQKDCTKVKCYRCGETGH
 VAINCSKTSEVNCYRCGESGHLARECTIEATA

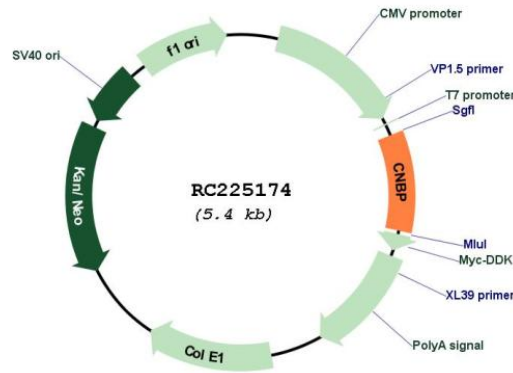
TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



[View online >](#)

Cloning Scheme:

Plasmid Map:


ACCN: NM_001127194

ORF Size: 516 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:	<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.
RefSeq:	NM_001127194.2
RefSeq Size:	3378 bp
RefSeq ORF:	519 bp
Locus ID:	7555
UniProt ID:	P62633
Cytogenetics:	3q21.3
Protein Families:	Druggable Genome, Transcription Factors
MW:	19 kDa
Gene Summary:	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]