

Product datasheet for **RC225190**

CNBP (NM_001127192) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: CNBP (NM_001127192) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: CNBP
Synonyms: CNBP1; DM2; PROMM; RNF163; ZCCHC22; ZNF9
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC225190 representing NM_001127192
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAGCAGCAATGAGTGCTTCAAGTGTGGACGATCTGGCCACTGGGCCCGGAATGTCCTACTGGTGGAG
 GCCGTGGTCGTGGAATGAGAAGCCGTGGCAGAGGTGGTTTACCTCGGATAGAGGTTCCAGTTTGTTC
 CTCGTCTCTCCAGACATTTGTTATCGCTGTGGTGAAGTCTGGTCATCTTGCCAAGGATTGTATCTTCAG
 GAGGATGTTGAAGCCTGCTATAACTGCGGTAGAGGTGGCCACATTGCCAAGGACTGCAAGGAGCCCAAGA
 GAGAGCGAGAGCAATGCTGCTACAACGTGGCAAACAGGCCATCTGGCTCGTGACTGCGACCATGCAGA
 TGAGCAGAAATGCTATTCTGTGGAGAATTCGGACACATTCAAAAAGACTGCACCAAAGTGAAGTGTAT
 AGGTGTGGTGAAGTGGTCACTAGCCATCAACTGCAGCAAGACAAGTGAAGTCAACTGTTACCGCTGTG
 GCGAGTCAGGGCACCTTGACGGAATGCACAATTGAGGCTACAGCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC225190 representing NM_001127192
 Red=Cloning site Green=Tags(s)

MSSNECFKCGRSGHWARECPTGGGRGRGMRSGRGGFTSDRGFQFVSSSLPDICYRCGESGHLAKDCDLQ
 EDVEACYNCGRGHIAKDCKEKREREQCCYNCCKPGHLARDCDHADEQKCYSCGEFGHIQKDCTKVCKY
 RCGETGHVAINCSKTSEVNCYRCGESGHLARECTIEATA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

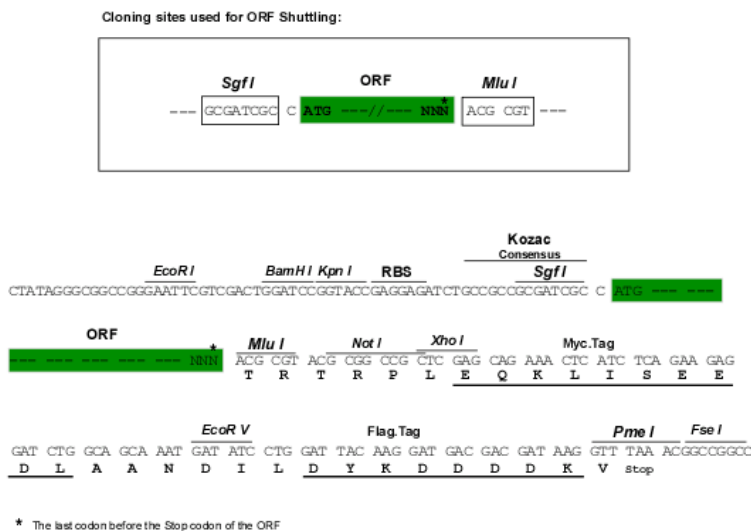
Chromatograms: https://cdn.origene.com/chromatograms/ja2475_a06.zip



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Restriction Sites: Sgfl-MluI

Cloning Scheme:



ACCN: NM 001127192

ORF Size: 537 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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.

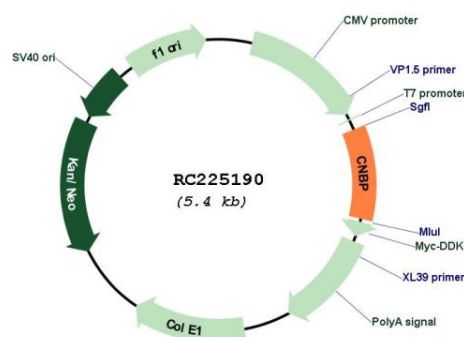
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

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.

Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_001127192.2
RefSeq Size:	3399 bp
RefSeq ORF:	540 bp
Locus ID:	7555
UniProt ID:	P62633
Cytogenetics:	3q21.3
Protein Families:	Druggable Genome, Transcription Factors
MW:	19.7 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]

Product images:



Circular map for RC225190