

Product datasheet for **RC225188**

CNBP (NM_001127193) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: CNBP (NM_001127193) 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: >RC225188 representing NM_001127193
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAGCAGCAATGAGTGTCTCAAGTGTGGACGATCTGGCCACTGGGCCCGGAATGTCCTACTGGTGGAG
 GCCGTGGTCGTGGAATGAGAAGCCGTGGCAGAGGTGGTTTTACCTCGGATAGAGGTTCCAGTTGTTTC
 CTCGTCTCTCCAGACATTTGTTATCGCTGTGGTGTGAGTCTGGTCATCTTGCCAAGGATTGTGATCTTCAG
 GAGGATGAAGCCTGCTATAACTGCGGTAGAGGTGGCCACATTGCCAAGGACTGCAAGGAGCCCAAGAGAG
 AGCGAGAGCAATGCTGCTACAACGTGGCAAACCAGGCCATCTGGCTCGTACTGCGACCATGCAGATGA
 GCAGAAATGCTATTCTTGTGGAGAATTCGGACACATTCAAAAAGACTGCACCAAAGTGAAGTGTATAGG
 TGTGGTAAACTGGTGTAGCCATCAACTGCAGCAAGACAAGTGAAGTCAACTGTTACCGCTGTGGCC
 AGTCAGGGCACCTTGACCGGAATGCACAATTGAGGCTACAGCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC225188 representing NM_001127193
 Red=Cloning site Green=Tags(s)

MSSNECFKCGRSGHWARECPTGGGRGRGMRSRGRGGFTSDRGFQFVSSSLPDI CYRCGESGHLAKDCDLQ
 EDEACYNCGRGGHIAKDCKEPKREREQCCYNCGKPGHLARDCDHADEQKCYSCGEFGHIQKDCTKVKCYR
 CGETGHVAINCKTSEVNCYRCGESGHLARECTIEATA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI



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Cloning Scheme:


ACCN: NM_001127193

ORF Size: 534 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001127193.2](#)

RefSeq ORF: 537 bp

Locus ID: 7555

UniProt ID: [P62633](#)

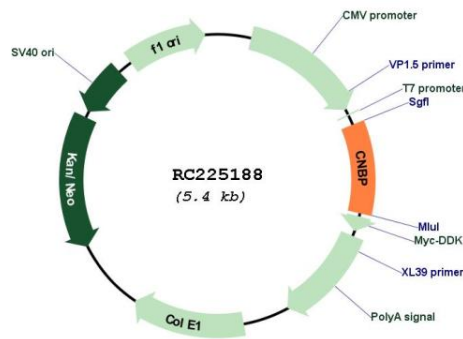
Cytogenetics: 3q21.3

Protein Families: Druggable Genome, Transcription Factors

MW: 19.4 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 RC225188