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Product datasheet for RC225167

CNBP (NM_001127196) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CNBP (NM_001127196) 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:

>RC225167 representing NM_001127196
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAGCAGCAATGAGTGCTTCAAGTGTGGACGATCTGGCCACTGGGCCCGGGAATGTCCTACTGGTGGAG
GCCGTGGTCGTGGAATGAGAAGCCGTGGCAGAGGTTTCCAGTTTGTTTCCTCGTCTCTTCCAGACATTTG
TTATCGCTGTGGTGAGTCTGGTCATCTTGCCAAGGATTGTGATCTTCAGGAGGATGCCTGCTATAACTGC
GGTAGAGGTGGCCACATTGCCAAGGACTGCAAGGAGCCCAAGAGAGAGCGAGAGCAATGCTGCTACAACT
GTGGCAAACCAGGCCATCTGGCTCGTGACTGCGACCATGCAGATGAGCAGAAATGCTATTCTTGTGGAGA
ATTCGGACACATTCAAAAAGACTGCACCAAAGTGAAGTGCTATAGGTGTGGTGAAACTGGTCATGTAGCC
ATCAACTGCAGCAAGACAAGTGAAGTCAACTGTTACCGCTGTGGCGAGTCAGGGCACCTTGCACGGGAAT
GCACAATTGAGGCTACAGCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC225167 representing NM_001127196
Red=Cloning site Green=Tags(s)

MSSNECFKCGRSGHWARECPTGGGRGRGMRSRGRGFQFVSSSLPDICYRCGESGHLAKDCDLQEDACYNC
GRGGHIAKDCKEPKREREQCCYNCGKPGHLARDCDHADEQKCYSCGEFGHIQKDCTKVKCYRCGETGHVA
INCSKTSEVNCYRCGESGHLARECTIEATA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja1454_c02.zip

View online »

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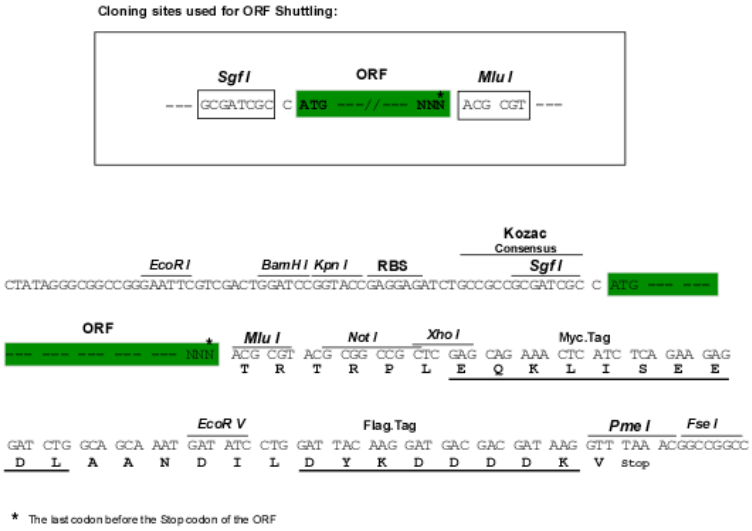
Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001127196

ORF Size: 510 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_001127196.2

RefSeq ORF: 513 bp

Locus ID: 7555

UniProt ID: P62633

Cytogenetics: 3q21.3

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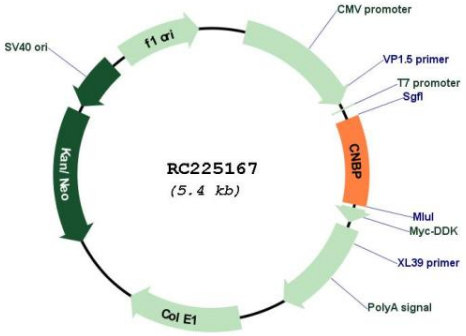
Protein Families: Druggable Genome, Transcription Factors

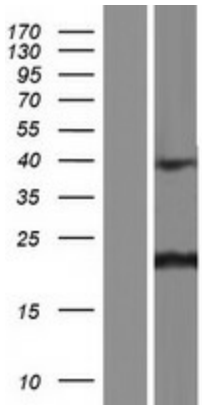
MW: 18.6 kDa

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 RC225167



Western blot validation of overexpression lysate (Cat# [LY426700]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC225167 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).

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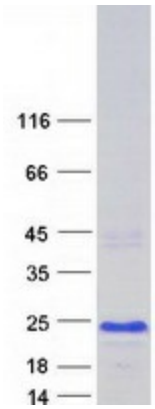

Coomassie blue staining of purified CNBP protein (Cat# [TP325167]). The protein was produced from HEK293T cells transfected with CNBP cDNA clone (Cat# RC225167) using MegaTran 2.0 (Cat# [TT210002]).

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