

Product datasheet for RC214473

CNBP (NM_003418) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: CNBP (NM_003418) 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: >RC214473 representing NM_003418
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGAGCAGCAATGAGTGTCTCAAGTGTGGACGATCTGGCCACTGGGCCCGGAATGTCCTACTGGTGGAG
GCCGTGGTCGTGGAATGAGAAGCCGTGGCAGAGGTGGTTTTACCTCGGATAGAGGTTCCAGTTGTTTC
CTCGTCTCTCCAGATATTTGTTATCGCTGTGGTGTGAGTCTGGTCATCTTGCCAAGGATTGTGATCTTCAG
GAGGATGCCTGTATAACTGCGGTAGAGGTGGCCACATTGCCAAGGACTGCAAGGAGCCCAAGAGAGAGC
GAGAGCAATGCTGCTACAACCTGTGGCAAACCAGGCCATCTGGCTCGTACTGCGACCATGCAGATGAGCA
GAAATGCTATTCTGTGGAGAATTCGGACACATTCAAAAAGACTGCACCAAAGTGAAGTGCATAGGTGT
GGTGAAACTGGTCATGTAGCCATCAACTGCAGCAAGACAAGTGAAGTCAACTGTTACCGCTGTGGCGAGT
CAGGGCACCTTGACGGGAATGCACAATTGAGGCTACAGCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC214473 representing NM_003418
Red=Cloning site Green=Tags(s)

MSSNECFKCGRSGHWARECPTGGGRGRGMRSRGRGGFTSDRGFQFVSSSLPDIYRCGESGHLAKDCDLQ
EDACYNCGRGGHIAKDCKEPREREQCCYNCGKPGHLARDCDHAEQKCYSCGEFGHIQKDC TKVKCYRC
GETGHVAINCSKTSEVNCYRCGESGHLARECTIEATA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

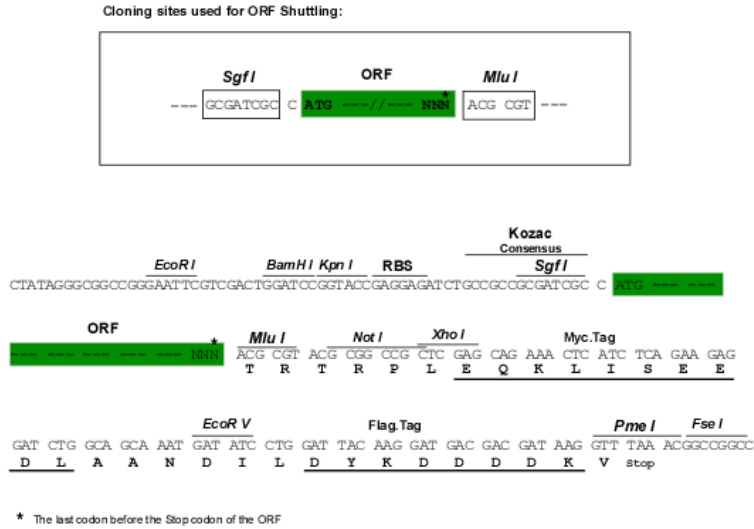
Chromatograms: https://cdn.origene.com/chromatograms/mk6036_b12.zip



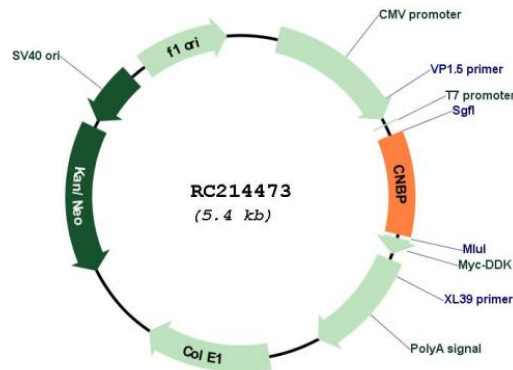
[View online »](#)

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_003418

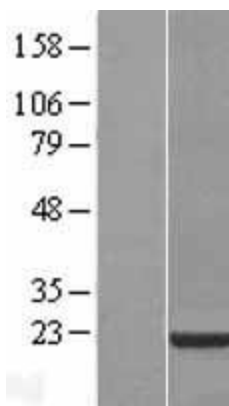
ORF Size: 531 bp

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](#)

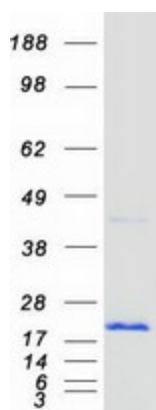
OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_003418.2
RefSeq Size:	1500 bp
RefSeq ORF:	534 bp
Locus ID:	7555
UniProt ID:	P62633
Cytogenetics:	3q21.3
Domains:	zf-CCHC
Protein Families:	Druggable Genome, Transcription Factors
MW:	19.3 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:



Western blot validation of overexpression lysate (Cat# [LY418710]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC214473 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified CNBP protein (Cat# [TP314473]). The protein was produced from HEK293T cells transfected with CNBP cDNA clone (Cat# RC214473) using MegaTran 2.0 (Cat# [TT210002]).