

Product datasheet for **SC118022**

CNBP (NM_003418) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CNBP (NM_003418) Human Untagged Clone
Tag:	Tag Free
Symbol:	CNBP
Synonyms:	CNBP1; DM2; PROMM; RNF163; ZCCHC22; ZNF9
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_003418 edited
 GAATTCGGCAGGAGAAATAAACAGCCTCTACCTTGCAGCCGTCTCCCCAGGCCTGCG
 TCCGAGTCTCCGCCGCTGCGGGCCCGCTCCGACGCGGAAGATCTGACTGCAGCCATGAGC
 AGCAATGAGTGCCTCAAGTGTGGACGATCTGGCCACTGGGCCCGGAATGTCCTACTGGT
 GGAGGCCGTGGTCGTGGAATGAGAAGCCGTGGCAGAGGTGGTTTTACCTCGGATAGAGGT
 TTCCAGTTTTGTTTCTCGTCTCTCCAGATATTTGTTATCGCTGTGGTGAAGTCTGGTCAT
 CTTGCCAAGGATTGTGATCTTCCAGGAGGATGCCTGTATAACTGCGGTAGAGGTGGCCAC
 ATTGCCAAGGACTGCAAGGAGCCCAAGAGAGAGCGAGAGCAATGCTGCTACAACCTGGC
 AAACCAGCCATCTGGCTCGTACTGCGACCATGCAGATGAGCAGAAATGCTATTCTTGT
 GGAGAATTCGGACACATTCAAAAAGACTGCACCAAAGTGAAGTGTATAGGTGTGGTGAA
 ACTGGTCACTAGCCATCAACTGCAGCAAGACAAGTGAAGTCAACTGTTACCGCTGTGGC
 GAGTCAGGGCACCTTGCACGGGAATGCACAATTGAGGCTACAGCCTAATTATTTCTTT
 GTCGCCCTCCTTTTTCTGATTGATGGTGTATTATTTTCTGTAATCCTTCTACTGGC
 CAAAGTTGGCAGATAGAGGCAACTCCCAGGCCAGTGAGCTTTACTTGCCGTGTAAGG
 AGGAAAGGGTGGAAAAAACCGACTTTCTGCATTTAACTACAAAAAAGTTTATGTTTA
 GTTTGGTAGAGGTGTATGTATAATGCTTTGTTAAAGAACCCCTTTCCGTGCCACTGGT
 GAATAGGGATTGATGAATGGGAAGATTGAGTCAGACCAGTAAGCCCGTCTGGGTTCTT
 TGAACATGTTCCCATGTAGGAGGTAACCAATTTCTGGAAGTGTCTATGAACTTCCATAA
 ATAACTTAATTTTAGTATAATGATGGTCTTGGATTGTCTGACCTCAGTAGCTATTAAT
 AACATCAAGTAACATCTGTATCAGGCCCTACATAGAACATACAGTTGAGTGGGAGTAAAC
 AAAAAGATAAACATGCGTGTAAATGGCTGTTGAGAGAAATCGGAATAAAAGCCTAAACA
 GGAACAACCTTATCACAGTGTGATGTTGGACACATAGATGGTGTGGCAAAGGTTTAGA
 ACACATTAATTTCAAAGACTAAATCTAAAACCCAGAGTAAACATCAATGCTCAGAGTTAG
 CATAATTTGGAGCTATTCAGGAATTGCAGAGAAATGCATTTTACAGAAATCAAGATGTT
 ATTTTTGTATACTATCACTTAGACAACCTGTGTTTCATTTGCTGTAATCAGTTTTTAA
 AGTCAGATGGAAAGAGCAACTGAAGTCTAGAAAAAGAAATGAATTTTAACTATTCC
 AATAAAGCTGGAGGAGGAAGGGGAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
 AAAAAAAAAACTCGAC

5' Read Nucleotide Sequence: >OriGene 5' read for NM_003418 unedited
 ACGACTCATATAGGCGGCCGACATTCGCACGAGGAAATAAACAGCCTCTACCTTGCGA
 GCCGTCTTCCCCAGGCCTGCGTCCGAGTCTCCGCCGCTGCGGGCCCGCTCCGACGCGGAA
 GATCTGACTGCAGCCATGAGCAGCAATGAGTGCCTCAAGTGTGGACGATCTGGCCACTGG
 GCCCGGAATGTCCTACTGGTGGAGGCCGTGGTCGTGGAATGAGAAGCCGTGGCAGAGGT
 GGTTTTACCTCGGATAGAGGTTCCAGTTGTTTCTCGTCTCTCCAGATATTTGTTAT
 CGCTGTGGTGAAGTCTGGTCATCTTGCCAAGGATTGTGATCTTCCAGGAGGATGCCTGCTAT
 AACTGCGGTAGAGGTGGCCACATTGCCAAGGACTGCAAGGAGCCCAAGAGAGAGCGGAGAG
 CAATGCTGCTACAACCTGGCAAACCGCCATCTGGCTCGTACTGCGACCATGCAGAT
 GAGCAGAAATGCTATTCTTGTGGAGAATTCGGACACATTCAAAAAGACTGCACCAAAGTG
 AAGTNGCTATAGGTGTGGTGAACCTGGTCACTAGCCATCAACTGCAGCAAGACAAGTGA
 AGTCAACTGTTACCGCTGTGGCAGTCAAGGCACCTTGCACGGGAATGCACAATTGAGGC
 TACAGCCTAATTTTCTTTGTCGCCCTCCTTTTTCTGATNGATGGGNTGATTATT
 TTCTCTGAAATCTTCACTGGCCAAAGGTTGCAGATAGAGGCAACTCCCAGGCCAGTG
 AGCTTTACTTTGCGTGTAAAGGGAGAAAANNNGGTGAAAAAACCGACTNTCTGCATTT
 ACATCAAAAAATATTNTTTAATTGGNNGNAGAGAGGTGTTATTTATATTGCTTTGTT
 AAAGACCCCTTTCCGCCNTGTGAAAAGNGNTTGAAGGGGAAAAAATTTATCACACTA
 ACCCCCGCGGGTCTTGAAGTGTCCCGGGGAAGAACCTCCGGGAGGGTTTACTCTAT
 ACTATTGGGGGA

3' Read Nucleotide Sequence:	>OriGene 3' read for NM_003418 unedited ACTTCCAGGGCCGNAAGCACTGGGGAGGGTCACAGGGATGCCACCCGGGATCTGTTC AGGAAACAGCTATGACCGCGGCCCAATCTAGAGTCGAGNNNTNTTTTTTTTTTTTTTT TTTTTTTTTTTTTTTTTTTTTTTTCCCCCTTCTCCTCCAGTTTTATGGGAATAGTTAAA AATTACTTTTTTTTTTTTAGGACTTAAGTGGCTTTTCTTTTGACTTTTAAACCTGA TTACAGCAAATGAAACCCAGTTGTTAAGGGATATAGTATACAAAATAACATTTTGATT TTTGGGAAAAGGCTTTTTTTTGAATTCCTGAATAGCTCAAATTATGCTAACTGACC ATTGATGTAACTCTGGGTTTTAAATTTAGTCTTTGAAAATAAGGGTTCTAAACCTTG CCATCACCTTTTATGGGCCAACATCAACTGGGATGAAGTTGTTCTGTTTAGGCTTT TATTCCGATTTCTCTCAAACAGCCATTAACACGCATGTTATTTTTTTGTTACTCCAC TCAACTGTATGTTCTATGTAGGGCTGATACAAAGTTACTTGAGGTTATTTAATAGCTA CGGAGGTCAAACAATCCAAGACCTTCTTATACTAAAATTAAGGTTTTTTATGGAAGTTC ATAGACTTCCAGAATTGGTTTTACCTCCTAATGGGAACATGTTCAAGGAACCCAGGAC GGGCTTACTGGTCTGACTCACCTTCCATTCAATCCCTATCACCAGTGGCCGGAA AGGGGTGTTCTTTACAAAGCATTATCATAACACCTTACAACTAAAATAACTTTTTTTGA GTTATGCAAAAAGAGTTTTTTTTCCCCCTTNCCTTTTACACGAAGTAGCTACTGGNCC GGGAGTTCCTCTACTGCACTTGTGNCGGGAAAGATCCAAAATAATCACCTCTCGAAAG GGGGGCAAAGAAATTTN
Restriction Sites:	NotI-NotI
ACCN:	NM_003418
Insert Size:	1600 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	<u>NM_003418.1</u> , <u>NP_003409.1</u>
RefSeq Size:	1500 bp
RefSeq ORF:	534 bp
Locus ID:	7555
UniProt ID:	<u>P62633</u>
Cytogenetics:	3q21.3
Domains:	zf-CCHC

Protein Families: Druggable Genome, Transcription Factors

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]

Transcript Variant: This variant uses an alternate in-frame splice site in the central coding region, compared to variant 1, resulting in a shorter protein (isoform 3). **Sequence Note:** This RefSeq record was created from transcript and genomic sequence data because no single transcript was available for the full length of the gene. The extent of this transcript is supported by transcript alignments.