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Product datasheet for SC322861

CNBP (NM_001127196) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CNBP (NM_001127196) Human Untagged Clone
Tag:	Tag Free
Symbol:	CNBP
Synonyms:	CNBP1; DM2; PROMM; RNF163; ZCCHC22; ZNF9
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC322861 representing NM_001127196. Blue=Insert sequence Red=Cloning site Green=Tag(s) GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC ATGAGCAGCAATGAGTGCTTCAAGTGTGGACGATCTGGCCACTGGGCCCGGGAATGTCCTACTGGTGGA GGCCGTGGTCGTGGAATGAGAAGCCGTGGCAGAGGTTTCCAGTTTGTTTCCTCGTCTCTTCCAGACATT TGTTATCGCTGTGGTGAGTCTGGTCATCTTGCCAAGGATTGTGATCTTCAGGAGGATGCCTGCTATAAC TGCGGTAGAGGTGGCCACATTGCCAAGGACTGCAAGGAGCCCAAGAGAGAGCGAGAGCAATGCTGCTAC AACTGTGGCAAACCAGGCCATCTGGCTCGTGACTGCGACCATGCAGATGAGCAGAAATGCTATTCTTGT GGAGAATTCGGACACATTCAAAAAGACTGCACCAAAGTGAAGTGCTATAGGTGTGGTGAAACTGGTCAT GTAGCCATCAACTGCAGCAAGACAAGTGAAGTCAACTGTTACCGCTGTGGCGAGTCAGGGCACCTTGCA CGGGAATGCACAATTGAGGCTACAGCCTAA ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
Restriction Sites:	SgfI-MluI
Plasmid Map:	
ACCN:	NM_001127196
Insert Size:	513 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).

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OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_001127196.1
RefSeq Size:	3372 bp
RefSeq ORF:	513 bp
Locus ID:	7555
UniProt ID:	P62633
Cytogenetics:	3q21.3
Protein Families:	Druggable Genome, Transcription Factors
MW:	18.7 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] Transcript Variant: This variant uses two alternate in-frame splice sites in the 5' and central coding regions, compared to variant 1, resulting in a shorter protein (isoform 6). 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.