

# Product datasheet for RG225190

### CNBP (NM\_001127192) Human Tagged ORF Clone

### **Product data:**

#### OriGene Technologies, Inc.

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Product Type:	Expression Plasmids
Product Name:	CNBP (NM_001127192) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CNBP
Synonyms:	CNBP1; DM2; PROMM; RNF163; ZCCHC22; ZNF9
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	<pre>&gt;RG225190 representing NM_001127192 Red=Cloning site Blue=ORF Green=Tags(s)</pre>
	TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCC <mark>GCGATCGC</mark> C
	ATGAGCAGCAATGAGTGCTTCAAGTGTGGACGATCTGGCCACTGGGCCCGGGAATGTCCTACTGGTGGAG GCCGTGGTCGTGGAATGAGAAGCCGTGGCAGAGGTGGTTTTACCTCGGATAGAGGTTTCCAGTTTGTTT
Protein Sequence:	ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA >RG225190 representing NM_001127192 Red=Cloning site Green=Tags(s)
	MSSNECFKCGRSGHWARECPTGGGRGRGMRSRGRGGFTSDRGFQFVSSSLPDICYRCGESGHLAKDCDLQ EDVEACYNCGRGGHIAKDCKEPKREREQCCYNCGKPGHLARDCDHADEQKCYSCGEFGHIQKDCTKVKCY RCGETGHVAINCSKTSEVNCYRCGESGHLARECTIEATA
	TRTRPLE - GFP Tag - V
Chromatograms:	https://cdn.origene.com/chromatograms/ja1799_h04.zip



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Restriction Sites:       Sgfl-Mlul         Cloning Scheme:       Cloning sites used for ORF Shuttling:         Sgfl       ORF       Mlu l          GCGATCGC       ATG cort	
Sg11 ORF Miu I	
Kozac Consensus	
EcoR I BamH I Kpn I RBS Sgf I Asc I CTATAGGGCGGGCGGGAATTCGTCGACTGGATCGGAGGAGAATCTGCCGCCGCGGAGCGCGCGC	ATCT
Hind III Nhe I Rsr II Miu I Not I Xho I GFP Tag CAAGCTTAACTAGCTAGCGGACCG ACG CGT ACG CGG CCG CTC GAG ATG GAG AGC GAC	
TRTRPLE <u>MESD</u>	-
Pme1     Fse1        GAA     GAA     AGA     GTT     TAA     ACGGCCGGCCGGGAGCT       -     -     E     E     R     V     Stop	

~ \$1/-

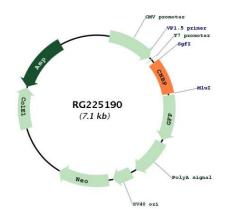
ACCN:	NM_001127192
ORF Size:	537 bp
OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at <u>custsupport@origene.com</u> or by calling 301.340.3188 option 3 for pricing and delivery.
	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. <u>More info</u>
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).

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Reconstitution Method:	<ol> <li>Centrifuge at 5,000xg for 5min.</li> <li>Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>Close the tube and incubate for 10 minutes at room temperature.</li> <li>Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
RefSeq:	<u>NM 001127192.1, NP 001120664.1</u>
RefSeq Size:	3399 bp
RefSeq ORF:	540 bp
Locus ID:	7555
UniProt ID:	<u>P62633</u>
Cytogenetics:	3q21.3
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]

## **Product images:**



Circular map for RG225190

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