

## Product datasheet for **RG225167**

### CNBP (NM\_001127196) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** CNBP (NM\_001127196) 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:** >RG225167 representing NM\_001127196  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGAGCAGCAATGAGTGCTTCAAGTGTGGACGATCTGGCCACTGGGCCCGGAATGTCCTACTGGTGGAG  
 GCCGTGGTCGTGGAATGAGAAGCCGTGGCAGAGGTTTCCAGTTTGTTCCTCGTCTTCCAGACATTTG  
 TTATCGCTGTGGTGAAGTCTGGTCATCTTGCCAAGGATTGTGATCTTCAGGAGGATGCCTGCTATAACTGC  
 GGTAGAGGTGGCCACATTGCCAAGGACTGCAAGGAGCCCAAGAGAGCGAGAGCAATGCTGCTACAAC  
 GTGGCAAACCAGGCCATCTGGCTCGTGACTGCGACCATGCAGATGAGCAGAAATGCTATTCTTGTGGAGA  
 ATTCGGACACATTCAAAAAGACTGCACCAAAGTGAAGTGTATAGGTGTGGTGAACCTGGTCATGTAGCC  
 ATCAACTGCAGCAAGACAAGTGAAGTCAACTGTTACCGCTGTGGCGAGTCAGGGCACCTGCACGGGAAT  
 GCACAATTGAGGCTACAGCC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >RG225167 representing NM\_001127196  
 Red=Cloning site Green=Tags(s)

MSSNECFKCGRSGHWARECPTGGGRGRGMRSRGRGFQVSSSLPDICYRCGESGHLAKDCDLQEDACYNC  
 GRGGHIAKDCKEPREREQCCYNCGKPGHLARCDHADEQKCYSCGEFGHIQKDC TKVKCYRCGETGHVA  
 INCSKTSEVNCYRCGESGHLARECTIEATA

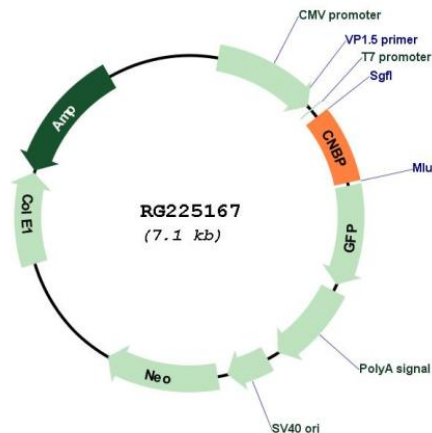
**TRTRPLE** - GFP Tag - V

**Restriction Sites:** Sgfl-MluI



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**Cloning Scheme:**

**Plasmid Map:**


**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.

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001127196.2</a>
<b>RefSeq Size:</b>	3372 bp
<b>RefSeq ORF:</b>	513 bp
<b>Locus ID:</b>	7555
<b>UniProt ID:</b>	<a href="#">P62633</a>
<b>Cytogenetics:</b>	3q21.3
<b>Protein Families:</b>	Druggable Genome, Transcription Factors
<b>Gene Summary:</b>	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]