

Product datasheet for **MG223883**

Cebpd (NM_007679) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cebpd (NM_007679) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Cebpd
Synonyms: c/EBPdelta
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG223883 representing NM_007679
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAGCGCCGCGCTTTTCAGCCTGGACAGCCCGGTGCGCGGCACACCCTGGCCACAGAACCCGCGGCT
 TCTACGAGCCAGGCAGGGTGGACAAGCCCGCCGAGGGCCGAGCCAGGGGATCTGGGGAGCTGGGCTC
 CACGACTCCTGCCATGTACGACGACGAGAGCGCCATCGACTTCAGCGCTACATTGACTCCATGGCCGC
 GTGCCACCCTAGAGCTGTGCCACGACGAACCTTCGCGGACCTTTCAACAGCAACCACAAAGCGGCCG
 GCGCGGGCGGCTGGAGCTGCTGCAGGGCGGCCCTACGCGACCCCGGGTGTGGGTCTGTCGCTAGGGG
 GCCGCTCAAGCGGAACCCGACTGGGGGACGGCGACGCGCCGGGCTCCCTGCTGCCGGCGCAAGTGGCG
 GTGTGCGCGCAGACAGTGGTGGCTTGGCGGCCGCGGCTCAGCCACTCCACCCACTTCGCCGGAGCCTC
 CTCGAGGCAGCCCGGGCCGAGCCTCGCGCCCGCACAGTCCGAGAAAAGGGCGCGGGCAAGAGGGGTCC
 GGACCGCGGCAGCCCGGAGTACCGGCAGCGCGGAGCGCAACAACATCGCTGTGCGCAAGAGCCGCGAC
 AAGGCCAAGCGCCGAACCAGGAGATGCAGCAGAAGCTGGTGGAGTTGTCGGCCGAGAACGAGAAGCTGC
 ATCAGCGCGTGGAGCAGCTACCCGGGACCTGGCTGGCTCCGGCAGTTCTTCAAAAACTGCCAGCCC
 GCCTTTCTGCCGCCACCGCGCCGACTGCCGG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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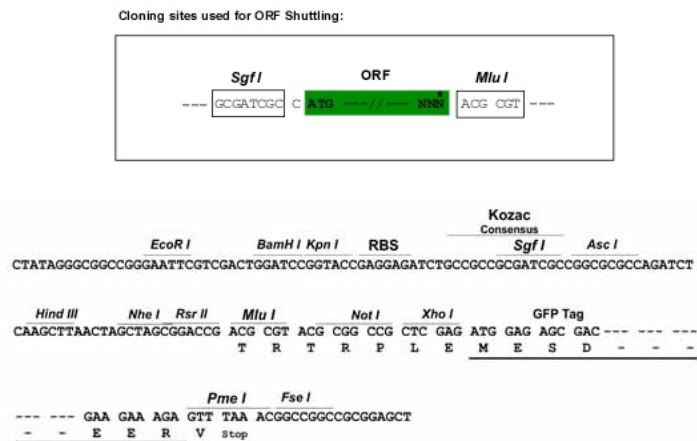
Protein Sequence: >MG223883 representing NM_007679
 Red=Cloning site Green=Tags(s)

MSAALFSLDSPVRGTPWPTEPAAFYEPGRVDKPGRGPEPGDLGELGSTTPAMYDDESAIDFSAYIDSMAA
 VPTLELCHDEL FADLFNSNHKAAGAGGLELLQGGPTRPPGVGSVARGPLKREPDWGDGAPGSLPAQVA
 VCAQTVVSLAAAAQPTPPTSPEPPRGSPPSLAPGTVREK GAGKRGPD RGSPEYRQRERNNI AVRKS RD
 KAKRRNQEMQQLVELSAENEKLHQRVEQLTRDLAGLRQFFKKLPSPFFLPPTGADCR

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_007679

ORF Size: 804 bp

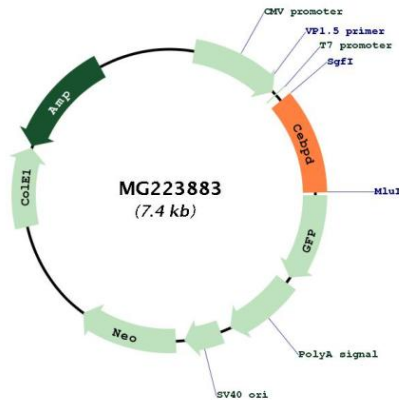
OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com 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. [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:**
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_007679.4](#), [NP_031705.3](#)
- RefSeq Size:** 2260 bp
- RefSeq ORF:** 807 bp
- Locus ID:** 12609
- UniProt ID:** [Q00322](#)
- Cytogenetics:** 16 10.09 cM
- Gene Summary:** Transcription activator that recognizes two different DNA motifs: the CCAAT homology common to many promoters and the enhanced core homology common to many enhancers (PubMed:7594592, PubMed:19641492). Important transcription factor regulating the expression of genes involved in immune and inflammatory responses. Transcriptional activator that enhances IL6 transcription alone and as heterodimer with CEBPB (By similarity). [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG223883