

Product datasheet for MR223883

Cebpd (NM_007679) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Cebpd (NM_007679) Mouse Tagged ORF Clone

Tag: Myc-DDK
Symbol: Cebpd

Synonyms: c/EBPdelta

Mammalian Cell Neomycin

Selection:

Vector:pCMV6-Entry (PS100001)E. coli Selection:Kanamycin (25 ug/mL)

ORF Nucleotide >MR223883 representing NM_007679

Sequence: Red=Cloning site Blue=ORF Green=Tags(s)

 ${\tt TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC}$

GCCGCGATCGCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATTACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR223883 representing NM_007679

Red=Cloning site Green=Tags(s)

MSAALFSLDSPVRGTPWPTEPAAFYEPGRVDKPGRGPEPGDLGELGSTTPAMYDDESAIDFSAYIDSMAA VPTLELCHDELFADLFNSNHKAAGAGGLELLQGGPTRPPGVGSVARGPLKREPDWGDGDAPGSLLPAQVA VCAQTVVSLAAAAQPTPPTSPEPPRGSPGPSLAPGTVREKGAGKRGPXXRGSPEYRQRRERNNIAVRKSR DKAKRRNQEMQQKLVELSAENEKLHQRVEQLTRDLAGLRQFFKKLPSPPFLPPTGADCR

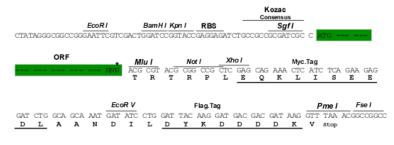
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja2092 h06.zip

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF

ACCN: NM_007679

ORF Size: 807 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 customercom 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

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).

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 007679.1, NM 007679.2, NM 007679.3, NM 007679.4, NP 031705.3

 RefSeq Size:
 2260 bp

 RefSeq ORF:
 807 bp

 Locus ID:
 12609

 UniProt ID:
 Q00322

 Cytogenetics:
 16 10 09 december 10 per page 10 pe

Cytogenetics: 16 10.09 cM MW: 29.1 kDa

Gene Summary: Transcription activator that recognizes two different DNA motifs: the CCAAT homology

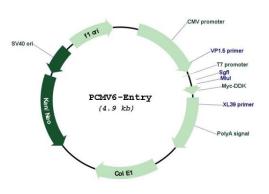
common to many promoters and the enhanced core homology common to many enhancers

(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 MR223883