

Product datasheet for **RG211266**

CEBPD (NM_005195) Human Tagged ORF Clone

Product data:

| | |
|---------------------------|-----------------------------------------------------------------------------|
| Product Type: | Expression Plasmids |
| Product Name: | CEBPD (NM_005195) Human Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | CEBPD |
| Synonyms: | C/EBP-delta; CELF; CRP3; NF-IL6-beta |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |
| ORF Nucleotide Sequence: | >RG211266 representing NM_005195 Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGCGCCGCGCTCTTCAGCCTGGACGGCCCGCGCGCGGCCCTGGCCTGCGGAGCCTGCGCCCT
TCTACGAACCGGGCCGGGCGGGCAAGCCGGGCCGCGGGCCGAGCCAGGGGCCCTAGGCGAGCCAGGCGC
CGCCGCCCGCCATGTACGACGACGAGAGCGCCATCGACTTCAGCGCCTACATCGACTCCATGGCCGC
GTGCCACCCTGGAGCTGTGCCACGACGAGCTCTTCGCCGACCTTTCAACAGCAATCACAAGCGGGCG
GCGCGGGGCCCTGGAGCTTCTCCCGGGGCCCGCGCGCCCTTGGGCCCGGGCCCTGCCGCTCCCCG
CCTGCTCAAGCGCGAGCCCGACTGGGGCGACGGCGACGCGCCCGCTCGCTGTTGCCCGCGCAGGTGGCC
GCGTGCGCACAGACCGTGGTGAGCTTGGCGGCCGAGGGCAGCCACCCCGCCACGTCGCCGGAGCCGC
CGCGCAGCAGCCCGAGCAGACCCCGCGCCCGGCCCGCCGGGAGAAGAGCGCCGCAAGAGGGGCC
GGACCGCGGCAGCCCGAGTACCGGCAGCGGCGGAGCGCAACAACATCGCCGTGCGCAAGAGCCGCGAC
AAGGCCAAGCGGGCAACCAGGAGATGCAGCAGAAGTTGGTGGAGCTGTCGGCTGAGAACGAGAAGCTGC
ACCAGCGCTGGAGCAGCTCACGCGGACCTGGCCGGCCTCCGGCAGTTCTTCAAGCAGCTGCCAGCCC
GCCCTTCTGCCGGCCCGGGACAGCAGACTGCCGG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG211266 representing NM_005195
Red=Cloning site Green=Tags(s)

MSAALFSLDGPARGAPWPAEPAPFYEPGRAGKPGRGAEPGALGEPGAAAPAMYDDESAIDFSAYIDSMAA
VPTLELCHDEL FADL FNSNHKAGGAGPLELLPGGPAPRLGPGPAAPRLLKREPDWGDGAPGSLPAQVA
ACAQTVVSLAAAGQPTPPTSPEPPRSSPRQTPAPGPAREKSAGKRGPD RGSPEYRQR RERNNI AVRKSRD
KAKRRNQEMQQLVELSAENEKLHQRVEQLTRDLAGLRQFFKQLPSPFFLPAAGTADCR

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_005195

ORF Size: 807 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.

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_005195.4](#)

RefSeq Size: 1295 bp

RefSeq ORF: 810 bp

Locus ID: 1052

UniProt ID: [P49716](#)

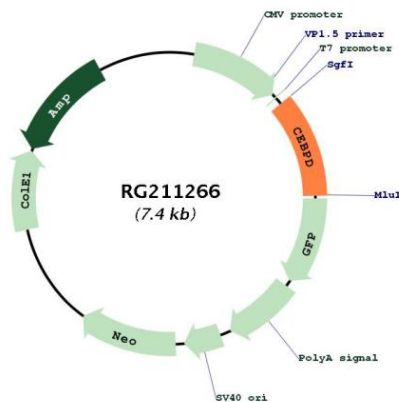
Cytogenetics: 8q11.21

Domains: BRLZ

Protein Families: Druggable Genome, Transcription Factors

Gene Summary: The protein encoded by this intronless gene is a bZIP transcription factor which can bind as a homodimer to certain DNA regulatory regions. It can also form heterodimers with the related protein CEBP-alpha. The encoded protein is important in the regulation of genes involved in immune and inflammatory responses, and may be involved in the regulation of genes associated with activation and/or differentiation of macrophages. The cytogenetic location of this locus has been reported as both 8p11 and 8q11. [provided by RefSeq, Sep 2010]

Product images:



Circular map for RG211266