

Product datasheet for **RC236053**

CEBP Beta (CEBPB) (NM_001285879) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: CEBP Beta (CEBPB) (NM_001285879) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: CEBPB
Synonyms: C/EBP-beta; IL6DBP; NF-IL6; TCF5
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC236053 representing NM_001285879
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCGGGGGCTTCCCGTACGGCTGCGCGTTACCTCGGCTACCAGGCGGTGCCGAGCGGCAGCAGCG
GGAGCCTCTCCAGTCTCTCGTCCAGCCCGCCGCGCACGCCGAGCCCCGCTGACGCCAAGGCGCCCC
GACCGCTGCTACGCGGGGGCCGCGCCGCGCCCTCGCAGGTCAAGAGCAAGGCCAAGAAGACCGTGGAC
AAGCACAGCGACGAGTACAAGATCCGGCGCGAGCGCAACAACATCGCCGTGCGCAAGAGCCGCGACAAGG
CCAAGATGCGCAACCTGGAGACGACGACAAGGTCTGGAGCTCACGGCCGAGAACGAGCGGCTGCAGAA
GAAGGTGGAGCAGCTGTGCGCGGAGCTCAGCACCTGCGGAATTGTCAAGCAGCTGCCGAGCCCTG
CTCGCCTCTCCGGCCACTGC

ACGCGTACGCGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC236053 representing NM_001285879
Red=Cloning site Green=Tags(s)

MAAGFPYALRAYLGYQAVPSGSSGSLSTSSSSPPGTPSPADAKAPPTACYAGAAPAPSQVKSAKKKTVD
KHSDEYKIRRERNNI AVRKSRDKAKMRNLETQHKVLELTAENERLQKKVEQLSRELSTLRNLFKQLPEPL
LASSGHC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



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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:	<ol style="list-style-type: none">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:	<u>NM_001285879.1, NP_001272808.1</u>
RefSeq Size:	2113 bp
RefSeq ORF:	444 bp
Locus ID:	1051
UniProt ID:	<u>P17676</u>
Cytogenetics:	20q13.13
Protein Families:	Druggable Genome, ES Cell Differentiation/IPS, Transcription Factors
MW:	16.4 kDa
Gene Summary:	This intronless gene encodes a transcription factor that contains a basic leucine zipper (bZIP) domain. The encoded protein functions as a homodimer but can also form heterodimers with CCAAT/enhancer-binding proteins alpha, delta, and gamma. Activity of this protein is important in the regulation of genes involved in immune and inflammatory responses, among other processes. The use of alternative in-frame AUG start codons results in multiple protein isoforms, each with distinct biological functions. [provided by RefSeq, Oct 2013]