

Product datasheet for **RC205283**

CBF (CEBPZ) (NM_005760) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CBF (CEBPZ) (NM_005760) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CEBPZ
Synonyms:	CBF; CBF2; HSP-CBF; NOC1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC205283 representing NM_005760 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCCGAGTCAAGGAGCCTTTGGAGTCCATGCCAAGCGGCCTTGGCGCCCGAGGAGGCAGTAGAAG
ATCCGGACGAGGAGGATGAGGATAATACTAGTGAAGCCGAGAATGGTTCCTCCCTGGAGGAAGTGTACG
GCTCGGAGGCACCAAGCAAGATTACCTTATGCTGGCTACTTTGGATGAGAATGAGGAAGTATAGATGGA
GGCAAAAAGGAGCAATCGATGACCTTCAGCAAGGTGAATTGGAAGCATTATTCAAATCTTAATTTGG
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AGTAAAAATACCTAAAATAAATAAAAAACAGCAGAAAAGTCAAAGGACATCAGTTAATAAGGTGAAA
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AAGCTGTATCAGCATGAAATCACTTATTCAAAGTAAGACGAATAGTCAAAGGGAGCCTCTTCTACCT
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TGTTGCATATTGTGAATTTAATACCAGTGTCCAGGCTTAAATGTTGCTTTTCCAAGTAATGAATTCTCA
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
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Protein Sequence:

>RC205283 representing NM_005760
 Red=Cloning site Green=Tags(s)

MAAVKEPFLFAKRPWRPEEAIVEDPDEEDEDNTSEAENGFSLLEVLRLGGTKQDYLMATLDENEEVIDG
 GKKGAIDDLQQGELEAFIQNLNLAKYTKASLVEEDEPAEKENS SKKEVKIPKINNKN TAESQRTSVNKVK
 NKNRPEPHSDENGSTTPKVYKDKQNIFFEFRQTL LLLRPGGKWDLEYSNEYSLKPPQDVVSKYKTLAQ
 KLYQHEINL FSKTNSQKGASSTWMAI VSSGLGDRMAAMILLIQDDAVHTLQFVETLVNLVKKKGSKQ
 QCLMALDTFKELLITDLLPDNRKLRIFSQRPFDKLEQLSSGNKDSRDRRLILWYFEHQLKHLVAEFVQVL
 ETL SHDTLVTTKTRAL TVAHELLCNKPEEEKALLVQVVKLGDQPQNR IATKASHLLETLLCKHPNMKG VV
 SGEVERLLFRSNISSKAQYYAICFLNQMAL SHEESELANKLITVYFCFFRTCVK KKDVESKMLSALLTGV
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 SKQAMFLNLVYKSLKADIVLRRVKAFVKRLLQVTCQQMPPFICGALYL VSEILKAKPGLRSQ LDDHPESD
 DEENFIDANDEDEMEKFTDADKETEIVKKLETEETVPETDVETKKPEVASWVHFDNLKGGKQLNKNYDPFS
 RNPLFCGAENTSLWELKKL SVHFHPSVALFAKTILQGN YIQYSGDPLQDFTLMRFLDRFVYRNPKPHKGK
 ENTDSVVMQPKRKHFIKDIRHLPVNSKEFLAKEESQIPVDEVFFHRY YKKVAVKEKQKRDADEESIEDVD
 DEEFEELEIDTFEDDNC FSSGKDDMDFAGNVKKRTKGAKNTLDEDESGSDELGNLDDDEVSLGSMDEE
 FAEVDEGGTFMDVLDDESESVPELEVHVKVSTKSKRKGTD DDFAGSFQGP RKKRNLNDSSLFVSAE
 EFGHLLDENMGSKFDNIGM NAMANKDNASLKQLRWEAERDDWLNHRDAKSI IKKKKHFKKKRIKTTQKTK
 KQRK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk8119_f08.zip

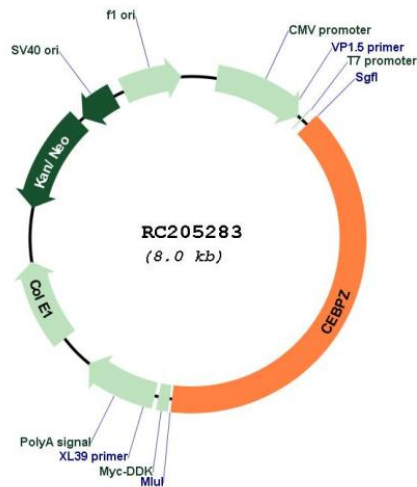
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_005760

ORF Size: 3162 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.

RefSeq: [NM_005760.3](#)

RefSeq Size:	3341 bp
RefSeq ORF:	3165 bp
Locus ID:	10153
UniProt ID:	Q03701
Domains:	CBF
Protein Families:	Stem cell - Pluripotency, Transcription Factors
MW:	121.4 kDa
Gene Summary:	This gene belongs to the CBF/Mak21 family. The encoded protein plays a role in cellular response to environmental stimuli through a transcriptional process that involves heat shock factors, conserved DNA elements (heat shock elements or HSEs) and CCAAT boxes. The protein acts as a DNA-binding transcriptional activator and regulates the heat-shock protein 70 (HSP70) promoter in a CCAAT-dependent manner. The protein is also involved in cell growth and differentiation, particularly, hematopoietic differentiation. [provided by RefSeq, Nov 2020]