

## Product datasheet for **SC214412**

### **CEBP Alpha (CEBPA) (NM\_004364) Human 3' UTR Clone**

#### **Product data:**

Product Type:	3' UTR Clones
Product Name:	CEBP Alpha (CEBPA) (NM_004364) Human 3' UTR Clone
Symbol:	CEBP Alpha
Synonyms:	C/EBP-alpha; CEBP
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_004364
Insert Size:	1434 bp



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**Insert Sequence:** >SC214412 3'UTR clone of NM\_004364  
The sequence shown below is from the reference sequence of NM\_004364. The complete sequence of this clone may contain minor differences, such as SNPs.  
Blue=Stop Codon Red=Cloning site

```
GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
TTGGTCAAGGCCATGGGCAACTGCGCGTGAAGCGCGCGGTGTGGGACCGCCTGGGCCAGCCTCCGGC
GGGGACCCAGGGAGTGGTTTGGGGTCGCGGATCTCGAGGCTTGCCCGAGCCGTGCGAGCCAGGACTAG
GAGATTCCGGTGCCTCCTGAAAGCCTGGCCTGCTCCGCGTGTCCCTCCCTTCTCTGCGCCGACTTG
GTGCGTCTAAGATGAGGGGGCCAGGCGGTGGCTTCTCCCTGCGAGGAGGGGAGAATCTTGGGGCTGAG
CTGGGAGCCCGCAACTCTAGTATTTAGGATAACCTTGTGCCTTGAAATGCAAACCTCACCGCTCCAAT
GCCTACTGAGTAGGGGAGCAAATCGTGCCTTGTCAATTTATTTGGAGTTTCTGCCTCCTTCCCGAG
GCTACAGCAGACCCCATGAGAGAAGGAGGGGAGCAGGCCGTGGCAGGAGGAGGGCTCAGGGAGCTGA
GATCCCGACAAGCCCGCCAGCCCGAGCCGCTCCTCCACGCTGTCTTAGAAAGGGTGGAAACATAGG
GACTTGGGGCTTGAACCTAAGTTGTTCCCTAGTTCTACATGAAGGTGGAGGGTCTCTAGTCCACG
CCTCTCCACCTCCCTCCGCACACACCCACCCAGCCTGCTATAGGCTGGGCTTCCCTTGGGGCGGA
ACTCACTGCGATGGGGTACCAGGTGACCAGTGGGAGCCCCACCCGAGTACACCAGAAAGCTAGG
TCGTGGGTGAGCTCTGAGGATGTATACCCTGGTGGGAGAGGGAGACCTAGAGATCTGGCTGTGGGGC
GGCATGGGGGTGAAGGGCCACTGGGACCTCAGCCTGTTTGTACTGTATGCCTCAGCATTGCCTAG
GAACACGAAGCAGATCAGTCCATCCCAGAGGGACCGGAGTTATGACAAGCTTCCAAATATTTGCTT
TATCAGCCGATATCAACACTTGTATCTGGCCTCTGTGCCCCAGCAGTGCCTTGTGCAATGTAATGTGC
GGTCTCTGCTAAACCACATTTTATTTGGTTTTTGGTTTTTGGTTTTGCTCGGATACTTGCCAAA
ATGAGACTCTCCGTGCGCAGCTGGGGGAAGGGTCTGAGACTCCCTTTCTTTTGGTTTTGGGATTACTT
TTGATCTGGGGGACCAATGAGGTGAGGGGGTTCTCCTTTGCCCTCAGCTTTCCCAGCCCTCCGGC
CTGGGCTGCCACAAGGCTTGTCCCCAGAGCCCTGGCTCCTGGTGGGAAAGGAGGTGGCCTCCCGC
CAACGCATCACTGGGCTGGGAGCAGGGAAGGACGGCTTGGTTCTTCTTTTGGGAGAACGTAGAGT
CTCACTTAGATGTTTTATGTATTATCTATAATATAACATATCAAAGTCAA
ACGCGTAAGCGGCCGCGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCCTTCTATGAAAGG
```

**Restriction Sites:** SgfI-MluI

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

**Components:** The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

**RefSeq:** [NM\\_004364.5](#)

**Summary:**

This intronless gene encodes a transcription factor that contains a basic leucine zipper (bZIP) domain and recognizes the CCAAT motif in the promoters of target genes. The encoded protein functions in homodimers and also heterodimers with CCAAT/enhancer-binding proteins beta and gamma. Activity of this protein can modulate the expression of genes involved in cell cycle regulation as well as in body weight homeostasis. Mutation of this gene is associated with acute myeloid leukemia. The use of alternative in-frame non-AUG (GUG) and AUG start codons results in protein isoforms with different lengths. Differential translation initiation is mediated by an out-of-frame, upstream open reading frame which is located between the GUG and the first AUG start codons. [provided by RefSeq, Dec 2013]

**Locus ID:**

1050

**MW:**

50.4