

## Product datasheet for **SC317846**

### **AEBP2 (NM\_153207) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	AEBP2 (NM_153207) Human Untagged Clone
Tag:	Tag Free
Symbol:	AEBP2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >SC317846 representing NM\_153207.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGGCCGCCGCTATCACCAGACATGGCCGACCTGGAGGAGCTCTCCCGCTGAGCCCTCTGCCCCCGGC
AGCCCGGGTTCGGCGGCCGGGGCGGGCTGAGCCCCCGAGGAGGAGGAAGAGGAGGAGGAGAA
GAGGAGCGGAGGCCGAGGCGGTGGCGGCGCTGCTGCTGAACGGCGGCAGCGGTGGGGCGCGGAGGC
GGCGGCGGAGGAGTGGGGGCGGCGAGGACAGACGATGTCGGAGCCGAGCCCCGAGAGCCAGCCAG
GCCGGGAGGACGAAGACGAGGAGGAGGACGACGAGGAGGAGGAAGATGAGAGCAGCAGCAGCGCGGG
GGTGGAGGAGGAGTAGCGCCGAGAGCCTGGTGGGCGAGCAGCGCGGGAGCAGCAGCAGACCCGC
TCGTTGAGCCCCGGCCGCCAGCAGCAGCAGCGGGATGGGGACGGCAAGGAGGGCCTGGAGGAGCCC
AAGGGACCGGGGCGCCAGGGCGGCGGGGGCGGCAGCAGTGCAGCAGCGTAGTCTCCAGCGGC
GGCAGCAGGGCTACGGACTGGGGAGGCGGAAGCAGCGGACCTCCGGGGCCGGCGGGCAGCTTG
GAGATGTCGTGCGATGGGAACCCCTGAGCCGCATGGACTCGGAGGACAGCATAAGCAGTACTATAATG
GATGTAGACAGCACAATTTCCAGTGGGCGTTCAACTCCAGCAATGATGAATGGACAAGGAAGCACTACT
TCTTCAAGCAAAAATATTGCCTATAATTGTTGTTGGGACCAAGTGCAGGCTTGTCTCAACTCTAGCCCA
GATCTGGCAGATCACATCCGTTCCATACATGTAGATGGTCAGCGAGGAGGGGATTTGTTTGCTTATGG
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AGTGGAGACAAACCTTTCAAGTGTGTTGTTGGTGGCTGCAATGCCAGCTTTGCTTCTCAGGGAGGGCTA
GCTCGTCATGTACCCACACACTTCAGTCAGCAGAACTCCTCAAAGTTTCTAGCCAGCCAAAGGCCAAA
GAAGAATCTCCTTCTAAAGCTGGAATGAACAAAAGGAGGAAATTAAGAACAAGACGACGCTCATTAA
CCACGGCCACATGATTTCTCGATGCACAAACACTGGATGCGATAAGACATCGAGCCATATGCTTTAAC
CTCTCAGCTCATATAGAAAGTTTAGGGAAGGACACAGTGTGTTTTTCATAGTACTGTAATAGCTAAG
AGAAAAGAAGATTCTGGGAAGATCAAACCTTTGCTTCATTGGATGCCTGAAGACATTCTGCCTGATGTG
TGGGTGAATGAAAGTGAACGACATCAGTAAAAACTAAAGTAGTTCATTTATCAAAGCTACCCAAAGAT
ACTGCCTTGCTTTGGACCCAAACATATACAGAACAATGCCGAGAAAGAGTTGAAGAGTAA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
```

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_153207
- Insert Size:** 1512 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
- 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\\_153207.4](#)

**RefSeq Size:** 5660 bp

**RefSeq ORF:** 1512 bp

**Locus ID:** 121536

**UniProt ID:** [Q6ZN18](#)

**Cytogenetics:** 12p12.3

**Domains:** zf-C2H2

**MW:** 52.8 kDa

**Gene Summary:** DNA-binding transcriptional repressor. May interact with and stimulate the activity of the PRC2 complex, which methylates 'Lys-9' and 'Lys-27' residues of histone H3.[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (1) represents the longest transcript and encodes isoform A.