

Product datasheet for **SC330745**

AEBP2 (NM_001267043) Human Untagged Clone

Product data:

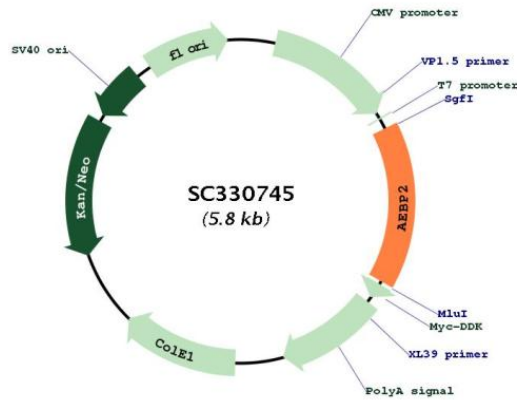
Product Type:	Expression Plasmids
Product Name:	AEBP2 (NM_001267043) Human Untagged Clone
Tag:	Tag Free
Symbol:	AEBP2
Vector:	pCMV6-Entry (PS100001)
Fully Sequenced ORF:	>SC330745 representing NM_001267043. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGTACACACGTCGGTACTCAAGCATAAGCAGTACTATAATGGATGTAGACAGCACAATTTCCAGTGGG
CGTTCAACTCCAGCAATGATGAATGGACAAGGAAGCACTACTTCTTCAAGCAAAAATATTGCCTATAAT
TGTTGTTGGGACCAGTGCCAGGCTTGCTTCAACTCTAGCCAGATCTGGCAGATCACATCCGTTCCATA
CATGTAGATGGTCAGCGAGGAGGGGTATTTGTTTGCTTATGAAAAGTTGTAAAGTATATAAACTCCA
TCTACCAGTCAAAGTTGGTTACAAAGGCATATGCTGACACACAGTGGAGACAAACCTTTCAAGTGTGT
GTTGGTGGCTGCAATGCCAGCTTTGCTTCTCAGGGAGGGCTAGCTCGTCATGTACCCACACACTTCAGT
CAGCAGAACTCCTCAAAAGTTTCTAGCCAGCCAAGGCCAAAGAAGAATCTCCTTCTAAAGCTGGAATG
AACAAAAGGAGGAAATTAAGAACAAGACGACGCTCATTACCACGGCCACATGATTTCTTCGATGCA
CAAACACTGGATGCGATAAGACATCGAGCCATATGCTTTAACCTCTCAGCTCATATAGAAAAGTTAGGG
AAGGGACACAGTGTGTTTTTCATAGTACTGTAATAGCTAAGAGAAAAGAAGATTCTGGGAAGATCAAA
CTTTTGCTTCATTGGATGCCTGAAGACATTCTGCCTGATGTGTGGGTGAATGAAAGTGAACGACATCAG
TTAAAACTAAAGTAGTTCATTTATCAAAGCTACCCAAAGATACTGCCTTGCTTTGGACCCAAACATA
TACAGAACAATGCCGCAGAAGAGGTTGAAGAGAACTCTGATAAGAAAAGTGTCAATTTGTATTTAAGC
AAACAGTGA
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Restriction Sites: SgfI-MluI



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Plasmid Map:


ACCN: NM_001267043

Insert Size: 906 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).

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_001267043.1](#)

RefSeq Size: 4549 bp

RefSeq ORF: 906 bp

Locus ID: 121536

UniProt ID: [Q6ZN18](#)

Cytogenetics: 12p12.3

MW: 34 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 (3) differs in the 5' UTR and 5' coding region and represents the use of an alternate promoter and also lacks a segment in the 3' coding region, compared to variant 1. These differences result in a protein (isoform C) with a shorter and distinct N-terminus and a longer and distinct C-terminus, compared to isoform A.