

Product datasheet for **SC100961**

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:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_153207, the custom clone sequence may differ by one or more nucleotides

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ATGGCCGCCGCTATCACCGACATGGCCGACCTGGAGGAGCTCTCCCGCTGAGCCCTGCCCCCGGCA
GCCCGGGTTCGGCGGCGCGGGGGCGGGCTGAGCCCCCGAGGAGGAGGAGGAAGAGGAGGAGGAGGAAGA
GGAGGCGGAGGCCGAGGCGGTGGCGGCGTGTCTGAACGGCGGCAGCGGTGGGGCGGCGGAGGCGGC
GGCGGAGGAGTGGGGGGCGGCGAGGCAGAGACGATGTCGGAGCCGAGCCCCGAGAGCGCCAGCCAGGCCG
GGGAGGACGAAGACGAGGAGGAGGACGACGAGGAGGAGGAAGTAGAGAGCAGCAGCAGCGCGGGGGTGA
GGAGGAGAGTAGCGCCGAGAGCCTGGTGGGCGAGCAGCGGGGACGCAAGGAGGGCCTGGAGGAGCCCAAGGGG
AGCCCCGGCGCCAGCAGCAGCAGCGGGGATGGGACGGCAAGGAGGGCCTGGAGGAGCCCAAGGGGAC
CGCGGGGACGCCAGGGCGGCGGGGGCGGCAGCAGTAGCAGCAGCGTAGTCTCCAGCGGCGGCAGCA
GGGCTACGGGACTGGGGAGGCGGAAGCAGCGGACCTCCGGGGCCGGCGGGGAGCTTGAGATGTCG
TCGGATGGGGAACCCCTGAGCCGATGGACTCGGAGGACAGCATAAGCAGTACTATAATGGATGTAGACA
GCACAATTTCCAGTGGCGTTCAACTCCAGCAATGATGAATGGACAAGGAAGCACTACTTCTTCAAGCAA
AAATATTGCCTATAATTGTTGTTGGGACCAGTGCCAGGCTTGCTTCAACTCTAGCCAGATCTGGCAGAT
CACATCCGTTCCATACATGTAGATGGTCAGCGAGGAGGGTATTTGTTTGCTTATGGAAAGTTGTAAG
TATATAAACTCCATCTACCAGTCAAAGTTGGTTACAAAGGCATATGCTGACACACAGTGGAGACAAACC
TTTCAAGTGTGTTGTTGGTGGTGCAATGCCAGCTTTGCTTCTCAGGGAGGGCTAGCTCGTCATGTACCC
ACACACTTCAGTCAGCAGAACTCTCAAAGTTTCTAGCCAGCCAAAGGCCAAAGAAGAATCTCCTTCTA
AAGCTGGAATGAACAAAAGGAGGAAATTAAGAACAAAAGACGACGCTCATTACCACGGCCACATGATTT
CTTCGATGCACAAACTGGATGCGATAAGACATCGAGCCATATGCTTTAACCTCTCAGCTCATATAGAA
AGTTTAGGGAAGGGACACAGTGTGTTTTTCATAGTACTGTAATAGCTAAGAGAAAAGAAGATTCTGGGA
AGATCAAATTTGCTTCATTGGATGCCTGAAGACATTCTGCCTGATGTGTGGGTGAATGAAAGTGAACG
ACATCAGTTAAAACTAAAGTAGTTTATTTATCAAAGCTACCCAAAGATACTGCCTTGCTTTGGACCCA
AACATATACAGAACAATGCCGAGAAGAGGTTGAAGAGGTAA

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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_153207 unedited</p> <pre>AAGTTCAGATTAGTAAACGATTTACTATAGGCGGCCGCGCAATTCGCACCAGGCAGCAGC GACGAGACCCGCTCGTTGAGCCCCGGCGCCAGCAGCAGCAGCGGGATGGGGACGGC AAGGAGGGCTGGAGGAGCCAAAGGACCGCGGGCAGCCAGGGCGGGCGGGGGCGGC AGCAGTAGCAGCAGCGTAGTCTCCAGCGGCTTCTACGAGGGCTACGGGACTGGGGAGGC GGAAGCAGCGCGACCTCCGGGGCCGGCGGGCAGCTTGGAGATGTCGTGGATGGGGAA CCCTGAGCCGCATGGAATCGGAGGACAGCATAAGCAGTACTATAATGGATGTAGACAGC ACAATTTCCAGTGGCGTTCAACTCCAGCAATGATGAATGGACAAGGAAGCACTACTTCT TCAAGCAAAAATATTGCCTATAATTGTTGTTGGGACCAGTGCCAGGCTTGCTTCAACTCT AGCCAGATCTGGCAGATCACATCCGTTCCATACATGTAGATGGTCAGCGAGGAGGGTA TTTGTGTTGCTTATGGAAAGGCTGTAAAGTATATAAACTCCATCTACCAGTCAAAGTTGG TTACAAAGGCATATGCTGACACACAGTGGAGACAAACCTTTCAAGTGTGTTGTTGGTGGC TGCAATGCCAGCTTGTCTCAGGGAGGGCTAGCTCGTCATGTACCCACACACTTCAGT CAGCAGAACTCCTCAAAGTTCTAGCCAGCCAAAGCCAAAGNAAGATCTCCTTCTAAGCT GGNATGNNACAAAGNGGAAATTAAGAACAAGACGACGCTCATTACCACGCCACATGAT TTCTCGATGCACAAACTGGATGCGATAAGGACATCGACCTTATGCTTTAAACTCTC</pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_153207 unedited</p> <pre>NGGTTCACCTATGTACGCGGCCGATTCTANGATCGGTTTTTTTTTTTTTTTTATCTG AAAACCTCTATTTGGCAATTTTATAACAAATCAAATTTTAAAAAGAACAAAAGAGATTGC AGATTACTTCGCAGATACAGAATAAAGCAATTGATGAAGTGCTTAAGCAAAAGAAAACAA CAAAAAAGAAAACACTGCTTTTCTTTTAAAAATAAAATCACATTGCTATAGATCAA ATGGATAATACCCTTATTAACAACCATCCAGAATGCTTATAGTAGCAGTGCTTTTAT TTGCATTCACCTAATTTTATAAGACTCATTTTTCATGTATATAGCTCTTTACCCCATGG TTAACGAATAAAGTCTCTCATAATTTTTACACTTTTAAATTTTTTAAAGCAAATGAGAAA TGATTTATGTATCGTGGAACTTTCCATTTTGAACCAAGGTTTTAATTCTATATTTT TGTCTAATATTTCTTAAAAAATTTAGTGTA AAAACTGCTGGTTTTTATCACTGTAGT AAAGTGAAAACCTCAACCAGGAGTATTTTCTGCAGTTTCACTGCATATAACCACATAC TTTACAATGCTCTTCCAACAGTAAGGAAATAACTGATTTCTTGATCACTGTCAGAAATGA GTGCCATAATTCTATTATGGGTATAGGTCCTCCCTCAAAGACTTTCTGGAAGGATGTTCA ATGTGTTTTGTTCTTAGAGATATTAACAGTAGTACATAGTCCCTTAAGTCTGTGAAAGAC ATTTATTGTTAAAGAAGGTGCNTTTATTAACAATCCTCTGGCAGCACTAGTGAAGTACAT ATCCTTCAATATTATTTCTACCATATATATACAT</pre>
Restriction Sites:	ECoRI-NOT
ACCN:	NM_153207
Insert Size:	3100 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_153207.3](#), [NP_694939.1](#)

RefSeq Size: 4072 bp

RefSeq ORF: 888 bp

Locus ID: 121536

UniProt ID: [Q6ZN18](#)

Cytogenetics: 12p12.3

Domains: zf-C2H2

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.