

Product datasheet for **RC203929**

AEBP2 (NM_153207) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	AEBP2 (NM_153207) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	AEBP2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC203929 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCGTCGGATGGGGAACCCCTGAGCCGCATGGACTCGGAGGACAGCATAAGCAGTACTATAATGGATG
TAGACAGCACAATTTCCAGTGGGCGTTCAACTCCAGCAATGATGAATGGACAAGGAAGCACTACTTCTTC
AAGCAAAATATTGCCTATAATTGTTGTTGGGACCAGTCCAGGCTTCTCACTAGCCCAGATCTG
GCAGATCAGTCCGTTCCATACATGTAGATGGTCAGCGAGGAGGGTATTGTTTGCTTATGAAAGGTT
GTAAGTATATAACACTCCATCTACCAGTCAAAGTTGGTTACAAAGGCATATGCTGACACACAGTGGAGA
CAAACCTTTCAAGTGTGTTGTTGGTGGCTGCAATGCCAGCTTTGCTTCTCAGGGAGGGCTAGCTCGTCAT
GTACCCACACACTTCAGTCAGCAGAACTCCTCAAAGTTTCTAGCCAGCCAAAGGCCAAAGAAGAATCTC
CTTCTAAAGCTGGAATGAACAAAAGGAGGAAATTAAGAACAAGACGACGCTCATTACCACGGCCACA
TGATTTCTCGATGCACAAACTGGATGCGATAAGACATCGAGCCATATGCTTTAACCTCTCAGCTCAT
ATAGAAAGTTTAGGGAAGGACACAGTGTGTTTTTCATAGTACTGTAATAGCTAAGAGAAAAGAAGATT
CTGGGAAGATCAAACCTTTGCTTATTGGATGCCTGAAGACATTCTGCCTGATGTGTGGGTGAATGAAAG
TGAACGACATCAGTTAAAACTAAAGTAGTTTATTTATCAAAGCTACCCAAAGATACTGCCTTGCTTTTG
GACCCAAACATATACAGAACAATGCCGAGAAGAGGTTGAAGAGG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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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: 5660 bp

RefSeq ORF: 1512 bp

Locus ID: 121536

UniProt ID: [Q6ZN18](#)

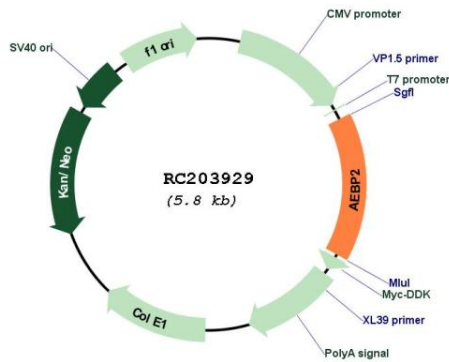
Cytogenetics: 12p12.3

Domains: zf-C2H2

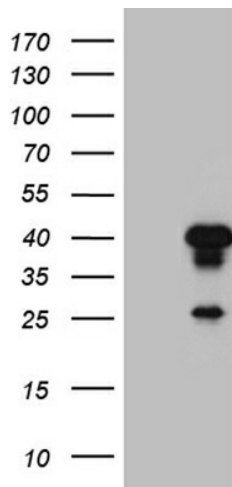
MW: 33 kDa

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]

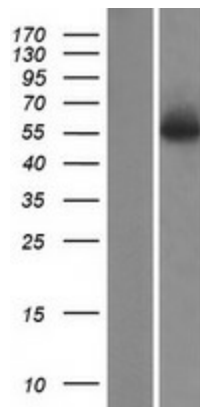
Product images:



Circular map for RC203929



HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY AEBP2 (Cat# RC203929, Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-AEBP2 (Cat# [TA810264])(1:2000). Positive lysates [LY403504] (100ug) and [LC403504] (20ug) can be purchased separately from OriGene.



Western blot validation of overexpression lysate (Cat# [LY403504]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC203929 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).