

## Product datasheet for MC208115

### Aebp2 (NM\_178803) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Aebp2 (NM\_178803) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Aebp2  
**Synonyms:** AU023766; B230313N05Rik  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC208115 representing NM\_178803  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGACATAGACAGCACAATTTCCAGTGGACGCTCAACCCGGCCATGATGAATGGACAGGGGAGCAGCA  
 CTGCTTCAAGCAAACACATTGCCTATAACTGTTGCTGGGACCAGTGCCAGGCATGCTTCACTCCAGCCC  
 AGACCTGGCAGACCACATTCGCTCCATACATGTCGATGGTCAGCGTGGAGGGGTTCGTTTGTGTGG  
 AAAGGTTGCAAGGTGTATAACACCCCGTCAACCAGTCAGAGTTGGCTACAGCGGCACATGCTGACACACA  
 GTGGAGACAAGCCTTTCAAGTGTGTAGTTGGTGGCTGCAATGCCAGCTTTGCTTCTCAGGGAGGGTAGC  
 TCGCCATGTACCCACACACTTCAGTCAGCAGAACTCCTCAAAAGTTTCTAGCCAGCCAAAGGCCAAAGAA  
 GAATCTCCTTCTAAAGCTGGAATGAACAAGCGGAGGAACTAAAGAACAAGACGGCGCTCATTACCGC  
 GGCCACACGATTTCTTCGATGCACAAACACTGGATGCCATAAGACATCGAGCCATCTGCTTTAACCTCTC  
 TGCTCACATAGAAAGTCTAGGGAAGGGACACAGTGTGTTTTCCACAGTACTGTAATAGCGAAGAGAAAG  
 GAGGAATCTGAAAGATAAAGCTTTTGTTCATTGGATGCCGGAAGACATTCTGCCAGATGTATGGGTGA  
 ATGAGAGTGAACGACATCAGTTAAAAACGAAAGTAGTTCAATTTATCAAAGCTACCCAAAGATACTGCCTT  
 GCTGTTGGACCCAAACATTTACAGAACAATGCCGAGAAGAGGTTGAAGGGTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_178803  
**Insert Size:** 825 bp



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<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_178803.2</a> , <a href="#">NP_848918.1</a>
<b>RefSeq Size:</b>	5932 bp
<b>RefSeq ORF:</b>	825 bp
<b>Locus ID:</b>	11569
<b>UniProt ID:</b>	<a href="#">Q9Z248</a>
<b>Cytogenetics:</b>	6 G2
<b>Gene Summary:</b>	<p>May interact with and stimulate the activity of the PRC2 complex, which methylates 'Lys-9' and 'Lys-27' residues of histone H3 (By similarity). DNA-binding transcriptional repressor. [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) contains an alternate exon in the 5' UTR, lacks a portion of the 5' coding region and initiates translation at a downstream start codon, compared to variant 1. The resulting isoform (2) has a shorter N-terminus when compared to isoform 1.</p> <p>Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>