

Product datasheet for **MG204064**

Aebp2 (BC031376) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Aebp2 (BC031376) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Aebp2
Synonyms: AU023766; B230313N05Rik
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG204064 representing BC031376
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTCGTCGGACGGGGAGCCGCTGAGCCGCATGGACTCGGAGGACAGCATAAGCAGTACGCTAATGGACA
 TAGACAGCACAATTTCCAGTGGACGCTCAACCCGGCCATGATGAATGGACAGGGGAGCAGGACTGCTTC
 AAGCAAACACATTGCCTATAACTGTTGCTGGGACCAGTGCCAGGCATGCTTCACTCCAGCCCAGACCTG
 GCAGACCACATTCGCTCCATACATGTCGATGGTCAGCGTGGAGGGGTTCGTTTGTGGAAAGGTT
 GCAAGGTGTATAACACCCCGTCAACCAGTCAGAGTTGGCTACAGCGGCACATGCTGACACACAGTGGAGA
 CAAGCCTTTCAAGTGTGTAGTTGGTGGCTGCAATGCCAGCTTTGCTTCTCAGGGAGGGCTAGCTCGCCAT
 GTACCCACACACTTCAGTCAGCAGAACTCCTCAAAAGTTTCTAGCCAGCCAAAGGCCAAAGAAGAATCTC
 CTTCTAAAGCTGGAATGAACAAGCGGAGGAAACTAAAGAACAAAAGACGGCGCTCATTACCGCGGCCACA
 CGATTTCTTCGATGCACAAACACTGGATGCCATAAGACATCGAGCCATCTGCTTTAACCTCTCTGCTCAC
 ATAGAAAGTCTAGGGAAGGGACACAGTGTGTTTTCCACAGTACTGTAATAGCGAAGAGAAAAGGAGGAAT
 CAGGGAAGATAAAGCTTTTGCTTCACTGGATGCCGGAAGACATTTGCCAGATGTATGGGTGAATGAGAG
 TGAACGACATCAGTTAAAAACGAAAGTAGTTTCATTTATCAAAGCTACCCAAGATACTGCCTTGTGTTG
 GACCCAAACATTTACAGAACAATGCCGAGAAGAGGTTGAAGAGG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG204064 representing BC031376
Red=Cloning site Green=Tags(s)

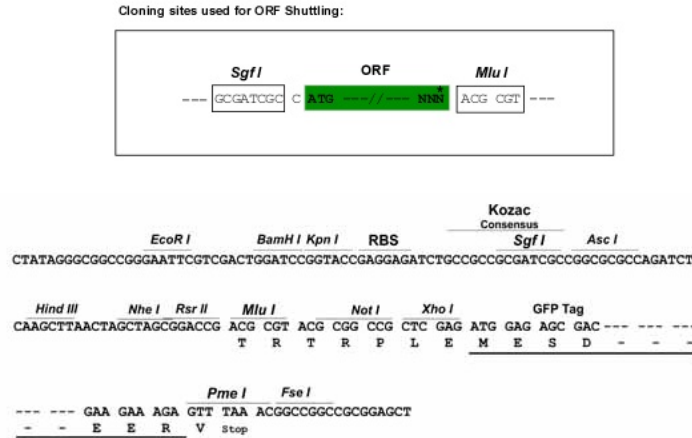
MSSDGEPLSRMDSSEDSISSTLMDIDSTISSGRSTPAMMNGQGSTTASSKHIAYNCCWDQCQACFNSSPDL
 ADHIRSIHVDGQRGGVFVCLWKGCKVYNTPTSTSQSWLQRHMLTHSGDKPFKCVVGGCNA SFASQGGGLARH
 VPTHFSSQNNSSKVSSQPKAKEESPSKAGMNRKRLKLNKRRRSLRPHDFFDAQTLDAIRHRAICFNL SAH
 IESLGKGHSVVFHSTVIAKRKEESGKIKLLHWPEDILPDVWVNESERHQLKTKVVHLSKLPKDTALLL
 DPNIYRTMPQKRLKR

TRTRPLE - GFP Tag - V

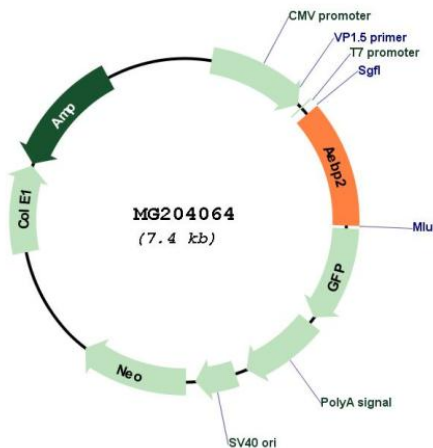
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: BC031376

ORF Size: 887 bp

OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	<ol style="list-style-type: none">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:	BC031376 , AAH31376
RefSeq Size:	3160 bp
RefSeq ORF:	887 bp
Locus ID:	11569
Cytogenetics:	6 G2
Gene Summary:	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]