

Product datasheet for **MG207953**

Aebp2 (NM_001005605) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Aebp2 (NM_001005605) 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)



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ORF Nucleotide Sequence:

>MG207953 representing NM_001005605
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCGCGCGCTCGCCGACATGGCCGACCTGGAGGAGCTCTCCCGCCTCAGCCCGCTGTCCCCGGCA
 GCCCGGGCCCGCGCGCGCGGGCCGAGCCGCCGAGGAAGAGGAGGAGGATGACGAGGAGGC
 GGAGGCAGAGGCGGTGGCCGCGCTGCTGTTGAACGGGGGAGCGGGCGGGCGGGGGCGCGAGGCG
 GAGACCATGTCGGAGCCGAGCCCGAGAGCGCCAGCCAGGCGGGCGGGGACGAGGACGAGGACGAGGAGG
 ACGAGGAGGACGAGGGCAGCAGCAGCGCGCGCCGAGGAGGAGCAGCGCCGAGGCCTGGTGGGCGAG
 CAGCAGCGGGCGCTGCAGCGGCGAGACGCGCTCGCTGAGCCCGGGCGGGGAGCAGCAGCAGCGGC
 GATGGGGACGGGAAGGAGGGCTGGAGGAGCCAAAGGACCGGGGGCGGGCCGGCGGGCCGGGACGA
 GCGGTGGCGGTAGCAGCAGCAGTAGCGTGGTGTGAGCGGGCGGCGAGGGCTACGGCACCGGGGAGG
 CGGGAGCAGCGCACCTCCGGGGCCGGCGGGGACGCTGGAGATGTCGTCGACGGGGAGCCGCTGAGC
 CGCATGGACTCGGAGGACAGCATAAGCAGTACGCTAATGGACATAGACAGCAAAATTTCCAGTGGAGCT
 CAACCCCGGCCATGATGAATGGACAGGGGAGCAGGACTGCTTCAAGCAAAACATTGCCTATAACTGTTG
 CTGGGACCACTGCCAGGCATGCTTCACTCCAGCCAGACCTGGCAGACCACATTCGCTCCATACATGTC
 GATGGTACGCGTGGAGGGGTGTTGCTTTGCTTGTGAAAGGTTGCAAGGTGTATAACACCCCGTCAACCA
 GTCAGAGTTGGCTACAGCGGCACATGCTGACACACAGTGGAGACAAGCCTTTCAAGTGTGTAGTTGGTGG
 CTGCAATGCCAGCTTTGCTTCTCAGGGAGGGCTAGCTCGCCATGTACCCACACACTTCAGTCAGCAGAAC
 TCCTCAAAAGTTTCTAGCCAGCCAAAGGCCAAAGAAGAATCTCCTTCTAAAGCTGGAATGAACAAGCGGA
 GGAAACTAAAGAACAAAAGACGGCGCTCATTACCGGGCCACGATTTCTCGATGCACAAACTGGA
 TGCCATAAGACATCGAGCCATCTGCTTTAACCTCTCTGCTCACATAGAAAGTCTAGGGAAGGGACACAGT
 GTTGTTCACAGTACTGTAATAGCGAAGAGAAAGGAGGAATCAGGGAAGATAAAGCTTTTGTCTCACT
 GGATGCCGAAGACATTCTGCCAGATGTATGGTGAATGAGAGTGAACGACATCAGTTAAAAACGAAAGT
 AGTTCAATTTTCAAGCTACCCAAAGATACTGCCTTGCTGTTGGACCCAAACATTTACAGAAACAATGCC
 CAGAAGAGGTTGAAGAGG

ACGCGTACGCGGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG207953 representing NM_001005605
 Red=Cloning site Green=Tags(s)

MAAALADMADLEEL SRL SPLSPGSPGPAARGRAEPPPEEEEEEDDEEAEAEVAALLNNGAGGGAGGGEA
 ETMSEPSPEASQAGGDEDEDEDEDEDESSSGGAEESAEESLVGSSSGGCSGDETRSLSPGAASSSSG
 DGDGKEGLEEPPKPRGGPGGPGSSGGSSSSSVSSGGDEGYGTGGGGSSATSGGRRGSLEMSDGEPLS
 RMDSEDSISSTLMDIDSTISSGRSTPAMMNGQGSTTASSKHIAYNCCWDQCQACFNSSPDLADHIRSIHV
 DGQRGGVFVCLWKGCKVYNTPTSSQSWLQRHMLTHSGDKPFKCVVGGCNASFASQGLARHVPTHFSSQN
 SSKVSSQPKAKEE SPSKAGMNRRLKLNKRRRSLPRPHDFDAQTLDAIRHRAICFNL SAHIESLKGHS
 VVFHSTVIAKRKEESGKIKLLLHWMPEDILPDVWVNESERHLKTKVVHLSKLPKDTALLLDPNIYRTMP
 QKRLKR

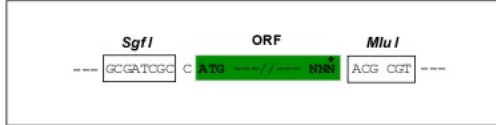
TRTRPLE - GFP Tag - V

Restriction Sites:

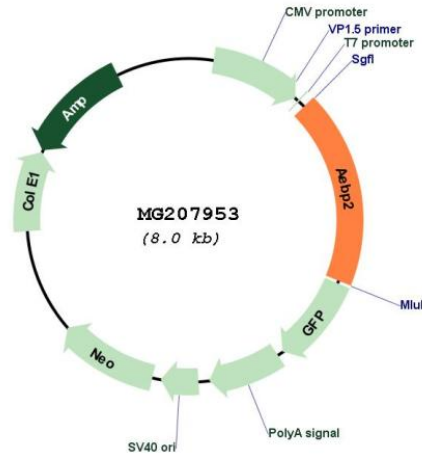
Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_001005605

ORF Size: 1488 bp

OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p>
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:	NM_001005605.1 , NP_001005605.1
RefSeq Size:	6192 bp
RefSeq ORF:	1491 bp
Locus ID:	11569
UniProt ID:	Q9Z248
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]