

Product datasheet for **MG224774**

Aebp2 (NM_009637) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Aebp2 (NM_009637) 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:	>MG224774 representing NM_009637 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCGTCGGACGGGGAGCCGCTGAGCCGCATGGACTCGGAGGACAGCATAAGCAGTACGCTAATGGACA
TAGACAGCACAATTTCCAGTGGACGCTCAACCCCGCCATGATGAATGGACAGGGGAGCAGGACTGCTTC
AAGCAAACACATTGCCTATAACTGTTGCTGGGACCAGTGCCAGGCATGCTTCACTCCAGCCAGACCTG
GCAGACCACATTCGCTCCATACATGTCGATGGTCAGCGTGGAGGGGTGTTCTGTTTGTGAAAGGTT
GCAAGGTGTATAACACCCCGTCAACCAGTCAGAGTTGGCTACAGCGGCACATGCTGACACACAGTGGAGA
CAAGCCTTTCAAGTGTGTAGTTGGTGGCTGCAATGCCAGCTTTGCTTCTCAGGGAGGGCTAGCTCGCCAT
GTACCCACACACTTCAGTCAGCAGAACTCCTCAAAAGTTTCTAGCCAGCCAAAGGCCAAAGAAGAATCTC
CTTCTAAAGCTGGAATGAACAAGCGGAGGAAACTAAAGAACAAAAGACGGCGCTCATTACCGCGCCACA
CGATTTCTTCGATGCACAAACACTGGATGCCATAAGACATCGAGCCATCTGCTTTAACCTCTCTGCTCAC
ATAGAAAGTCTAGGGAAGGGACACAGTGTGTTTTCCACAGTACTGTAATAGCGAAGAGAAAAGGAGGAAT
CTGAAAGATAAAGCTTTTGCTTCATTGGATGCCGGAAGACATTTGCCAGATGTATGGGTGAATGAGAG
TGAACGACATCAGTTAAAAACGAAAGTAGTTTCATTATCAAAGCTACCCAAGATACTGCCTTGCTGTTG
GACCCAACATTTACAGAACAATGCCGAGAAGAGGTTGAAGAGATTTGACATCCTCAATTTCCAAAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG224774 representing NM_009637
 Red=Cloning site Green=Tags(s)

MSSDGEPLSRMDSSEDSISSTLMDIDSTISSGRSTPAMMNGQGSTTASSKHIAYNCCWDQCQACFNSSPDL
 ADHIRSIHVDGQRGGVFVCLWKGCKVYNTPTSTSQSWLQRHMLTHSGDKPFKCVVGGCNA SFASQGGLARH
 VPTHFSQQNSSKVSSQPKAKEESPSKAGMNRKRLKKNRRLRPRPHDFDAQTLDAIRHRAICFNL SAH
 IESLGKGHSVVFHSTVIAKRKEESGKIKLLHWMPELILPDVWVNESERHQLKTKVVHLSKLPKDTALLL
 DPNIYRTMPQKRLKRFDILNFPR

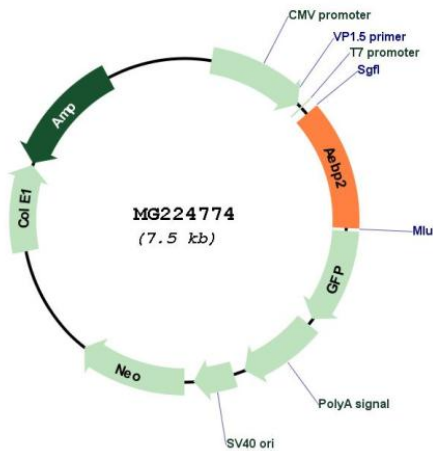
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_009637

ORF Size: 1515 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:	NM_009637.3 , NP_033767.1
RefSeq Size:	912 bp
RefSeq ORF:	1515 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]