OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for MR231609

Aebp1 (NM_001291857) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Aebp1 (NM_001291857) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Aebp1
Synonyms:	ACLP
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>MR231609 representing NM_001291857 Red=Cloning site Blue=ORF Green=Tags(s) TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGGCTCCAGTGCGCACCGCATCCCTGCTCTGCGGCCTCCTGGCACTGCTGACGCTGTGCCCTGAGGGGA ACCCACAGACGGTGCTGACGGACGACGAGATCGAGGAGTTCCTCGAAGGCTTCCTTTCGGAGTTGGAGAC CCAGTCCCCGCCCCGGGAAGACGACGTGGAAGTCCAGCCGCTTCCCGAACCCACCCAGCGTCCCCGCAAA TCCAAGGCAGGGGGCAAGCAGCGGGCAGATGTAGAAGTCCCTCCAGAAAAAAACAAAGACAAAGAGAAGA AAGGAAAGAAGGACAAAGGCCCCAAAGCCACAAAACCCCTGGAGGGCTCTACCAGGCCCACCAAGAAACC AAAGGAGAAGCCACCCAAGGCCACCAAGAAGCCCAAGGAGAAACCACCCAAGGCCACCAAGAAGCCCAAG GAGAAGCCACCCAAGGCCACCAAGAAGCCTAAGGAGAAGCCACCCAAGGCCACTAAGAGGCCCTCGGCAG GAAAGAAGTTCTCAACTGTGGCCCCCTTGGAAACGCTGGATCGGTTACTCCCCTCACCCTCCAACCCCAG CGCCCAGGAGCTACCGCAGAAGAGAGACACACCCTTCCCAAATGCCTGGCAAGGTCAAGGAGAAGAGACC CAGGTGGAGGCCAAGCAGCCCCGGCCAGAGCCAGAGGAGGAGACTGAGATGCCCACACTGGACTACAATG ACCAGATAGAGAAGGAGGATTACGAGGATTTTGAGTACATCCGTCGCCAGAAGCAGCCCAGGCCAACACC CAGCAGGAGGAGGCTCTGGCCAGAGCGCCCTGAGGAGAAGACTGAAGAGCCAGAGGAAAGGAAGGAAGTC GAGCCACCTCTGAAGCCCCTGCTGCCTCCGGACTATGGGGATAGCTACGTGATCCCCAACTATGATGACT TGGACTATTATTTCCCCCACCCTCCACCGCAGAAGCCTGATGTTGGACAAGAGGTGGATGAGGAAAAGGA AGAGATGAAGAAGCCCAAAAAGGAGGGTAGTAGCCCCAAGGAGGACACAGAGGACAAGTGGACCGTGGAG AAAAACAAGGACCACAAAGCAGGGCCCCGGAAGGGTGAGGAGCTGGAGGAGGAGTGGGCGCCAGTGGAGA AAATCAAGTGCCCACCTATTGGGATGGAGTCACACCGCATTGAGGACAACCAGATCCGTGCCTCCTCCAT GCTGCGCCACGGCCTCGGAGCCCAGCGGGGCCGGCTCAACATGCAGGCTGGTGCCAATGAAGATGACTAC TATGACGGGGCATGGTGTGCTGAGGACGAGTCGCAGACCCAGTGGATCGAGGTGGACACCCGAAGGACAA CTCGGTTCACGGGCGTCATCACTCAGGGCCGTGACTCCAGCATCCATGACGACTTCGTGACTACCTTCTT TGTGGGCTTCAGCAATGACAGCCAGACCTGGGTGATGTACACCAATGGCTACGAGGAAATGACCTTCTAT GGAAATGTGGACAAGGACACACCTGTGCTGAGCGAGCTCCCTGAGCCAGTTGTGGCCCGTTTCATCCGCA

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ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
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Protein Sequence:

>MR231609 representing NM_001291857
Red=Cloning site Green=Tags(s)

MAPVRTASLLCGLLALLTLCPEGNPQTVLTDDEIEEFLEGFLSELETQSPPREDDVEVQPLPEPTQRPRK
SKAGGKQRADVEVPPEKNKDKEKKGKKDKGPKATKPLEGSTRPTKKPKEKPPKATKKPKEKPPKATKKPK
EKPPKATKKPKEKPPKATKRPSAGKKFSTVAPLETLDRLLPSPSNPSAQELPQKRDTPFPNAWQGQGEET
QVEAKQPRPEPEEETEMPTLDYNDQIEKEDYEDFEYIRRQKQPRPTPSRRRLWPERPEEKTEEPEERKEV
EPPLKPLLPPDYGDSYVIPNYDDLDYYFPHPPPQKPDVGQEVDEEKEEMKKPKKEGSSPKEDTEDKWTVE
KNKDHKAGPRKGEELEEEWAPVEKIKCPPIGMESHRIEDNQIRASSMLRHGLGAQRGRLNMQAGANEDDY
YDGAWCAEDESQTQWIEVDTRRTTRFTGVITQGRDSSIHDDFVTTFFVGFSNDSQTWVMYTNGYEEMTFY
GNVDKDTPVLSELPEPVVARFIRIYPLTWNGSLCMRLEVLGCPVTPVYSYYAQNEVVTTDSLDFRHHSYK
DMRQLMKAVNEECPTITRTYSLGKSSRGLKIYAMEISDNPGDHELGEPEFRYTAGIHGNEVLGRELLLLL
MQYLCQEYRDGNPRVRNLVQDTRIHLVPSLNPDGYEVAAQMGSEFGNWALGLWTEEGFDIFEDFPDLNSV
LWAAEEKKWVPYRVPNNNLPIPERYLSPDATVSTEVRAIISWMEKNPFVLGANLNGGERLVSYPYDMART
PSQEQLLAEALAAARGEDDDGVSEAQETPDHAIFRWLAISFASAHLTMTEPYRGGCQAQDYTSGMGIVNG
AKWNPRSGTFNDFSYLHTNCLELSVYLGCDKFPHESELPREWENNKEALLTFMEQVHRGIKGVVTDEQGI
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RIREILAMNGNRPILRVDPSRPMTPQQRRMQQRRLQYRLRMREQMRLRRLNSTAGPATSPTPALMPPPSP
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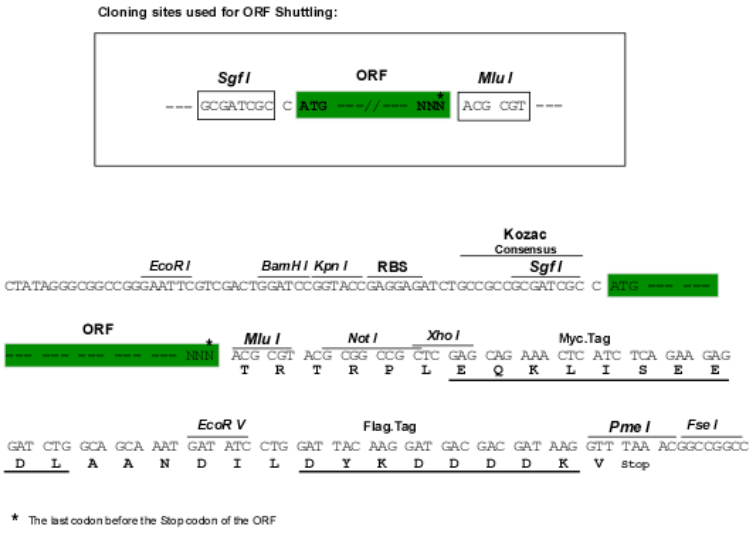
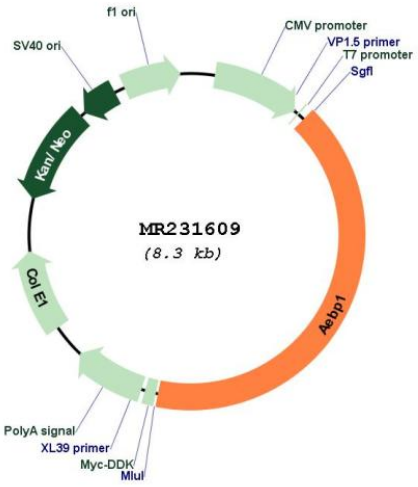
Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:	NM_001291857
ORF Size:	3387 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:	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_001291857.2, NP_001278786.1
RefSeq Size:	4075 bp
RefSeq ORF:	3390 bp
Locus ID:	11568
UniProt ID:	Q640N1
Cytogenetics:	11 A1

MW:	128.9 kDa
Gene Summary:	Isoform 1: As a positive regulator of collagen fibrillogenesis, it is probably involved in the organization and remodeling of the extracellualr matrix.[UniProtKB/Swiss-Prot Function]