

Product datasheet for **MC219382**

Ebf1 (NM_007897) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ebf1 (NM_007897) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ebf1
Synonyms:	Ebf; O/E-1; OE-1; Olf-1; Olf1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC219382 representing NM_007897
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTTTGGGATCCAGAAAGCATCCAACGGAGTGAAGCAGTATGAAGGAAGAGCCGCTGGGCAGCGGCA
 TGAAACGGGTGCGGACGTGGATGCAGGGCGCCGGGTGCTGGACGCCAACACAGCGGCGCAGAGCGGGT
 GGGTCTGGCCCGGCTCACTTTGAGAAGCAGCCGCTTCTAACCTGCGGAAATCCAACTTCTTCCACTTC
 GTCCTGGCCCTCTACGACAGACAGGGCCAGCCGTGGAGATTGAGAGGACGGCCTTTGTGGGGTTCGTGG
 AGAAGGAAAAAGAAGCCAACAGCGAAAAGACCAATAATGGGATCCACTACCGGCTCCAGCTCCTCTACAG
 CAATGGGATACGGACAGAACAGGATTTCTATGTGCGCCTCATCGACTCCATGACAAAACAAGCCATAGTG
 TATGAAGGCCAAGACAAGAACCCTGAAATGTGCCGAGTATTGCTCACACAGGATCATGTGCAGCCGCT
 GTTGTGACAAGAAAAGCTGTGGCAACCGAAATGAGACTCCCTCAGATCCAGTGATAATTGACAGGTTCTT
 CCTGAAGTTTTCTTAAATGCAACAAAATTGCCTAAAGAATGCAGGAAACCCAGTGACATGCGGAGA
 TTCCAGGTCGTGGTGTCTACCACAGTCAACGTGGATGGCCATGTCTGGCAGTCTCTGATAACATGTTTG
 TCCACAATAACTCCAAGCACGGGCGGAGGGCTCGGAGGCTTGACCCCTCGGAAGGTACGCCCTTATCT
 GGAACATGCTACTCCCTGTATCAAAGCCATCAGCCCGAGTGAAGGATGGACGACGGGAGGCGCGACTGTG
 ATCATCATAGGGGACAATTTCTTTGATGGGTTACAGGTCATATTCGGTACCATGCTGGTCTGGAGTGAGT
 TGATAACTCCTCATGCCATCCGAGTTTCCAGACCTCCTCGGCACATCCCTGGTGTGGTGAAGTCACT
 GTCGTACAAGTCCAAGCAGTTCTGCAAAGGGACACCAGGCAGATTCATCTACACAGCACTCAATGAACCC
 ACCATCGACTACGGCTTCCAGAGGTTACAGAAGGTCATTCTCGGCATCCTGGTGACCCAGAGCGCTTGC
 CAAAGGAAGTGATCCTTAAAAGAGCTGCAGATCTGGTTGAAGCCCTGTATGGGATGCCCCACAACAACCA
 GGAGATTATCCTGAAGAGAGCTGCCGACATTGCAGAGGCTCTGTACAGTGTCCCTCGGAACCACAACCAG
 CTTCCAGCCCTTGCTAACACTTCGGTCCATGCAGGGATGATGGGTGTGAACTCCTTCAGTGGACAACCTGG
 CTGTGAATGTCTCGGAGGCATCACAAGCCACCAATCAAGGTTTACCCGCAACTCAAGCAGCGTGTCAAC
 ACATGGCTATGTGCCGAGCACCACCCACAGCAAACCAACTATAACTCAGTCACCACAAGCATGAATGGC
 TACGGCTCAGCCGCCATGTCCAATTTGGGCGGCTCCCCAACCTTCTCAATGGCTCAGCTGCCAACTCAC
 CCTATGCCATTGTCCATCCAGCCCCACCATGGCCTCATCTACAAGCCTCCCTCCAAGTGCAGTAGCTC
 CTCTGGCATCTTCTCCTTCTCACCAGCCAACATGGTCTCAGCAGTAAAACAGAAGAGTGCTTTCGCACCA
 GTTGTGACAGCCAGACGTCCCCTCCTCCACCTGCACCAGCACAACGGGAACAGCCTGCAAGCGATAT
 CTGGCATGATTGTCCCTCCCATG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_007897
Insert Size: 1776 bp

OTI Disclaimer: 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.

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](#)

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_007897.3](#), [NP_031923.1](#)

RefSeq Size: 5203 bp

RefSeq ORF: 1776 bp

Locus ID: 13591

UniProt ID: [Q07802](#)

Cytogenetics: 11 26.45 cM

Gene Summary: Transcriptional activator which recognizes variations of the palindromic sequence 5'-ATTCCCNNGGGAATT-3'. [UniProtKB/Swiss-Prot Function]
 Transcript Variant: This variant (2) uses an alternate splice site in the central coding region, compared to variant 1. The encoded isoform (2) is shorter, compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.