

Product datasheet for **MC219364**

Ebf3 (NM_001113414) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ebf3 (NM_001113414) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ebf3
Synonyms:	3110018A08Rik; mKIAA4201; O/E-2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC219364 representing NM_001113414
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTTTGGGATTCAGGAGAATATTCGCGCGGGGGACGACCATGAAGGAGGAGCCGCTGGCGACGGCA
 TGAACCCGGTGCCTCGTGGATGCACACGGCAGGCGTGGTGGACGCCAACACGGCCGCCAGAGCGGCGT
 GGGGCTGGCGCGGGCGCACTTCGAGAAGCAGCCTCCTTCCAACCTCCGAAATCCAATTTCTTCCACTTC
 GTGCTGGCGCTCTACGACAGGCAGGGGACGCGGTGGAGATCGAAAGGACCGCTTTTGTGGACTTTGTGG
 AGAAAGAGAAAGAGCCGAACAACGAGAAAACCAACAACGGCATTCACTACAAGCTGCAGCTACTGTACAG
 CAATGGCGTCAGAACAGAGCAAGATCTGTATGTCCGCCTCATAGATTCAATGACCAAACAGGCCATCGTG
 TATGAAGGCCAGGACAAGAATCCGGAGATGTGCCGCTGTGCTGACCCACGAGATCATGTGCAGCCGGT
 GCTGTGACAAGAAGAGTTGTGGCAATAGAAACGAGACACCCTCAGACCCTGTAATCATTGACAGATTCTT
 TCTAAAGTTCTTCTCAAGTGAATCAGAACTGCCTGAAGAATGCGGGCAACCCTCGGGACATGCGGAGG
 TTCCAGGTCGTTGTATCGACAACAGTCAACGTGGACGGCCACGTGCTGGCCGTGTCTGACAACATGTTTG
 TGCACAACAATTCAAAACACGGGAGGCGGGCCCGCCCTAGACCCGTCAGAAGCCACTCCGTGTATCAA
 GGCTATCAGCCCCAGTGAAGGCTGGACCAGGGGGTGGCCACTGTGATCATAATCGGGGACAACCTCTTT
 GACGGTCTACAAGTTGTGTTCCGAACTATGTTGGTGTGGAGTGAGCTGATAACCCCCACGCCATCCGAG
 TGCAGACGCCGCTCGACACATCCCTGGAGTTGTTGAAGTGACCCCTCTCTACAAGTCTAAGCAGTTCTG
 CAAAGGCGCTCCTGGACGCTTTGTCTACACTGCCCTTAATGAGCCAACCATAGATTACGGCTTCCAGAGG
 TTGCAGAAAGTGATACCCAGACATCCAGGTGACCCCGAAAGGTTACCCAAGGAAGTGTACTGAAGAGGG
 CAGCAGACCTTGTGGAAGCCTTGTATGGGATGCCTCACAATAACCAGGAGATCATCCTGAAGAGAGCGGC
 CGACATTGCTGAGGCGTTGTACAGCGTTCCCGCAATCACAACCAGATCCCACCCTGGGCAACACCCCA
 GCACACTGGCATGATGGGTGTAACCTTACGAGCCAGCTAGCCGTTAATGTGTCAGAGACCTCAC
 AAGCCAATGACCAAGTCGGCTACAGTCGCAATACAAGCAGCGTGTCCCGCAGGCTACGTCCCCAGCAG
 TACTCCCCAGCAGTCCAATTACAACACAGTCAGCACTAGCATGAATGGATATGGAAGTGGCGCCATGGCC
 AATCTAGGGTCCCTGGCTCGCCTGGATTTCTTAATGGCTCCTCCGCTAACTCTCCCTACGGCATAGTGC
 CGTCCAGCCCCACCATGGCAGCCTTTCGGTACCCTCCCTCAAAGTGTAGCAGCACACACGGCATTCTT
 CTCATTCTCACCTGCAATGTCATCTCCGAGTAAAACAGAAGAGCGCTTTTGCGCCGTGGTCCGGCCC
 CAAGCCTCGCCTCCTCCTCCTGCACCAGCGCCAACGGGAACGGACTGCAAGCTATGTCTGGGCTGGTAG
 TCCCGCCATG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001113414
- Insert Size:** 1764 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- 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_001113414.1](#), [NP_001106885.1](#)

RefSeq Size: 5016 bp

RefSeq ORF: 1764 bp

Locus ID: 13593

Cytogenetics: 7 F3- F4

Gene Summary: Transcriptional activator (PubMed:9151732). Recognizes variations of the palindromic sequence 5'-ATTCCCNNGGGAATT-3' (By similarity).[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (2) uses an alternative, in-frame donor splice site at one of the internal coding exons, compared to transcript variant 1. This results in a shorter isoform (2) that is missing a 9 aa segment, compared to isoform 1.