

## Product datasheet for **MR209165**

### **Ebf3 (NM\_001113414) Mouse Tagged ORF Clone**

#### **Product data:**

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



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**ORF Nucleotide Sequence:**

>MR209165 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCCGCATCGCC

ATGTTTGGGATTCAGGAGAATATTCGCGCGGGGGACGACCATGAAGGAGGAGCCGCTGGCGACGGCA  
 TGAACCCGGTGCCTCGTGGATGCACACGCGAGCGTGGTGGACGCCAACACGGCCGCCAGAGCGGCGT  
 GGGGCTGGCGCGGGCGCACTTCGAGAAGCAGCCTCCTTCCAACCTCCGAAATCCAAATTTCTTCCACTTC  
 GTGCTGGCGCTCTACGACAGGCAGGGGACGCGGTGGAGATCGAAAGGACCGCTTTTGTGGACTTTGTGG  
 AGAAAGAGAAAGAGCCGAACAACGAGAAAACCAACAACGGCATTCACTACAAGCTGCAGCTACTGTACAG  
 CAATGGCGTCAGAACAGAGCAAGATCTGTATGTCCGCCTCATAGATTCAATGACCAAACAGGCCATCGTG  
 TATGAAGGCCAGGACAAGAATCCGGAGATGTGCCGCTGTGCTGACCCACGAGATCATGTGCAGCCGGT  
 GCTGTGACAAGAAGAGTTGTGGCAATAGAAACGAGACACCCTCAGACCCTGTAATCATTGACAGATTCTT  
 TCTAAAGTTCTTCTCAAGTGAATCAGAACTGCCTGAAGAATGCGGGCAACCCTCGGGACATGCGGAGG  
 TTCCAGGTCGTTGATCGACAACAGTCAACGTGGACGGCCACGTGCTGGCCGTGTCTGACAACATGTTTG  
 TGCACAACAATTCAAAACACGGGAGGCGGGCCCGCCCTAGACCCGTCAGAAGCCACTCCGTGTATCAA  
 GGCTATCAGCCCCAGTGAAGGCTGGACCAGGGGGTGCCTGTGATCATAATCGGGGACAACCTCTTT  
 GACGGTCTACAAGTTGTGTTTCGAACTATGTTGGTGTGGAGTGAGCTGATAACCCCCACGCCATCCGAG  
 TGCAGACGCCGCTCGACACATCCCTGGAGTTGTTGAAGTGACCCCTCTCTACAAGTCTAAGCAGTTCTG  
 CAAAGGCGCTCCTGGACGCTTTGTCTACACTGCCCTTAATGAGCCAACCATAGATTACGGCTTCCAGAGG  
 TTGCAGAAAGTGATACCCAGACATCCAGGTGACCCGAAAAGTTACCCAAGGAAGTGTACTGAAGAGGG  
 CAGCAGACCTTGTGGAAGCCTTGTATGGGATGCCTCACAATAACCAGGAGATCATCTGAAGAGACGGCC  
 CGACATTGCTGAGGCGTTGTACAGCGTTCCCGCAATCACAACCAGATCCCACCCCTGGGCAACCCCA  
 GCACACACTGGCATGATGGGTGTAAGTCTTACGAGCCAGCTAGCCGTTAATGTGTCAGAGACCTCAC  
 AAGCCAATGACCAAGTCCGCTACAGTGCATAACAAGCAGCGTGTCCCGCAGGCTACGTCCCCAGCAG  
 TACTCCCCAGCAGTCCAATTACAACACAGTCAGCACTAGCATGAATGGATATGGAAGTGGCGCCATGGCC  
 AATCTAGGGTCCCTGGCTCGCTGGATTTCTTAATGGCTCCTCCGCTAACTCTCCCTACGGCATAGTGC  
 CGTCCAGCCCCACCATGGCAGCCTTTCGGTACCCTCCCTCAAAGTGTAGCAGCACACACGGCATTCTT  
 CTCATTCTCACCTGCCAATGTCATCTCCGAGTAAACAGAAGAGCGCTTTTGCGCCGTGGTCCGGCCC  
 CAAGCCTCGCTCCTCTCTCTGCACCAGCGCCAACGGGAACGGACTGCAAGCTATGTCTGGGCTGGTAG  
 TCCCGCCCATG

ACGCGTACGCGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR209165 protein sequence  
 Red=Cloning site Green=Tags(s)

MFGIQENIPRGTTMKEEPLGSGMNPVRSWMHTAGVVDANTAAQSGVGLARAHFEKQPPSNLRKSNFFHF  
 VLALYDRQGQPVIEIERTAFVDFVEKEKEPNNEKTNNGIHYKLQLLYSNGVRTEQDLVYRLIDSMTKQAI  
 YEGQDKNPEMCRVLLTHEIMCSRCCDKKSCGNRNETPSDPVIIDRFLLKFFLKCNQNLKNAGNPRDMRR  
 FQVVVSTTVNVDGHVLAUSDNMFVHNSKHGRRARRLDPSEATPCIKAIISPSEGWTGGATVIIIGDNFF  
 DGLQVVFGTMLVWSELITPHAIRVQTPPRHIPGVVEVTL SYKSKQFCKGAPGRFVYALNEPTIDYGFQR  
 LQKVI PRHPGDPERLPKEVLLKRAADLVEALYGMPHNNQEIILKRAADIAEALYSVPRNHNQIPTLGNT  
 AHTGMMGVNSFSSQLAVNVSETSQANDQVYSRNTSSVSPRGYVPSSTPQQSNYNTVSTSMNGYSGGAMA  
 NLGVPGPSFGLNGSSANSPYGI VPSSTMAASSVTLPSNCSSTHGIFSFSPANVISAVKQKSAFAPVVR  
 QASPPPSCTSANGNLQAMSGLVVPPM

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**


**ACCN:** NM\_001113414

**ORF Size:** 1764 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\\_001113414.1](#), [NP\\_001106885.1](#)

**RefSeq Size:** 5016 bp

**RefSeq ORF:** 1764 bp

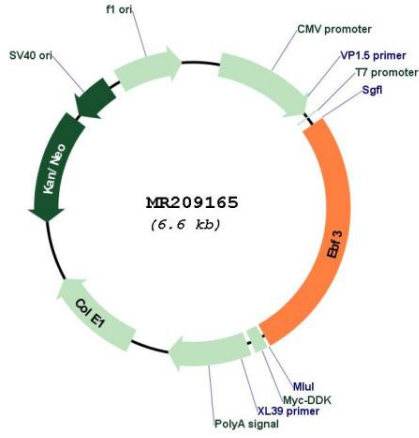
**Locus ID:** 13593

**Cytogenetics:** 7 F3- F4

**MW:** 63.9 kDa

**Gene Summary:** Transcriptional activator (PubMed:9151732). Recognizes variations of the palindromic sequence 5'-ATTCCCNNGGGAATT-3' (By similarity).[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR209165