

## Product datasheet for **MR224622**

### **Ebf3 (NM\_010096) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Ebf3 (NM_010096) 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:**

>MR224622 representing NM\_010096  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTTTGGGATT**CAGGAGAATATTC**CGCGCGGGGGACGACCATGAAGGAGGAGCCGCTGGCGACGGCA  
 TGAACCCGGTGCCTCGTGGATGCACACGGCAGCGTGGTGGACGCCAACACGGCCGCCAGAGCGCGT  
 GGGGCTGGCGCGGGCGCACTTCGAGAAGCAGCCTCCTTCCAACCTCCGAAATCCAATTTCTTCCACTTC  
 GTGCTGGCGCTCTACGACAGGCAGGGGACCGGTGGAGATCGAAAGGACCGCTTTTGTGGACTTTGTGG  
 AGAAAGAGAAAGAGCCGAACAACGAGAAAACCAACAACGGCATTCACTACAAGCTGCAGCTACTGTACAG  
 CAATGGCGTCAGAACAGAGCAAGATCTGTATGTCCGCCTCATAGATTCAATGACCAAACAGGCCATCGTG  
 TATGAAGGCCAGGACAAGAATCCGGAGATGTGCCGCTGTGCTGACCCACGAGATCATGTGCAGCCGGT  
 GCTGTGACAAGAAGAGTTGTGGCAATAGAAACGAGACACCCTCAGACCCTGTAATCATTGACAGATTCTT  
 TCTAAAGTTCTTCTCAAGTGAATCAGAACTGCCTGAAGAATGCGGGCAACCCTCGGGACATGCGGAGG  
 TTCCAGGTCGTTGTATCGACAACAGTCAACGTGGACGGCCACGTGCTGGCCGTGTCTGACAAATGTTTG  
 TGCACAACAATTCAAAACACGGGAGGCGGGCCCGCCCTAGACCCGTCAGAAGCCACTCCGTGTATCAA  
 GGCTATCAGCCCCAGTGAAGGCTGGACCAGGGGGTGGCACTGTGATCATAATCGGGGACAACCTCTTT  
 GACGGTCTACAAGTTGTGTTCCGAACTATGTTGGTGTGGAGTGAGCTGATAACCCCCACGCCATCCGAG  
 TGCAGACGCCGCTCGACACATCCCTGGAGTTGTTGAAGTGACCCCTCTCTACAAGTCTAAGCAGTTCTG  
 CAAAGGCGCTCCTGGACGCTTTGTCTACACTGCCCTTAATGAGCCAACCATAGATTACGGCTTCCAGAGG  
 TTGCAGAAAGTGATACCCAGACATCCAGGTGACCCCGAAAGGTTACCCAAGGAAGTGTACTGAAGAGGG  
 CAGCAGACCTTGTGGAAGCCTTGTATGGGATGCCTCACAATAACCAGGAGATCATCTGAAAGAGCGGC  
 CGACATTGCTGAGGCGTTGTACAGCGTTCCCGCAATCACAACCAGATCCCACCCCTGGGCAACCCCCA  
 GCACACTGGCATGATGGGTGGAACCTTACGACGACGCTAGCCGTTAATGTGTCAGAGACCTCAC  
 AAGCCAATGACCAAGTCGGCTACAGTCGCAATACAAGCAGCGTGTCCCGCAGGCTACGTCCCCAGCAG  
 TACTCCCCAGCAGTCCAATTACAACACAGTCAGCACTAGCATGAATGGATATGGAAGTGGCGCCATGGCC  
 AATCTAGGGTCCCTGGCTCGCTGGATTTCTTAATGGCTCCTCCGCTAACTCTCCCTACGGCATGAAAC  
 AGAAGAGCGCTTTTGGCCCGTGGTCCGGCCCCAAGCCTCGCCTCCTCCTTCTGACCAGCGCCAACGG  
 GAACGGACTGCAAGCTATGTCTGGGCTGGTAGTCCCGCCCATG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR224622 representing NM\_010096  
 Red=Cloning site Green=Tags(s)

MFGIQENIPRGGTTMKEEPLGSGMNPVRSWMHTAGVVDANTAAQSGVGLARAHFEKQPPSNLRKSNFFHF  
 VLALYDRQGQPVEIERTAFVDFVEKEKEPNNEKTNNGIHYKLQLLYSNGVRTEQDLVYRLIDSMTKQAI  
 YEGQDKNPEMCRVLLTHEIMCSRCCDKKSCGNRNETPSDPVIIDRFFLKFFLKCNQCNLKNAGNPRDMRR  
 FQVVVSTTVNVDGHVLAVSDNMFVHNSKHGRRARRLDPSEATPCIKAIISPSEGWTGGATVIIIGDNFF  
 DGLQVVFGTMLVWSELITPHAIRVQTPPRHIPGVVEVTL SYKSKQFCKGAPGRFVYALNEPTIDYGFQR  
 LQKVI PRHPGDPERLPKEVLLKRAADLVEALYGMPHNNQEIILKRAADIAEALYSVPRNHNQIPTLGNT  
 AHTGMMGVNSFSSQLAVNVSETSQANDQVGYSRNTSSVSPRGYVPSSTPQQSNYNTVSTSMNGYSGGAMA  
 NLGVPSPGFLNGSSANSPYGMKQKSAFAPVVRPQASPPPSCTSANGNGLQAMSGLVVPPM

**TR**TRPLEQKLI SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**


**ACCN:** NM\_010096

**ORF Size:** 1653 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\\_010096.3](#), [NP\\_034226.1](#)

**RefSeq Size:** 4908 bp

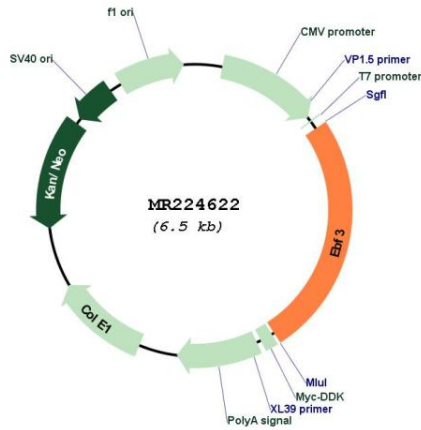
**RefSeq ORF:** 1656 bp

**Locus ID:** 13593

**UniProt ID:** [O08791](#)

**Cytogenetics:** 7 F3- F4  
**MW:** 60.9 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 MR224622