

## Product datasheet for **MR230612**

### **Ebf1 (NM\_001290709) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Ebf1 (NM_001290709) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ebf1
Synonyms:	Ebf; O/E-1; OE-1; Olf-1; Olf1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR230612 representing NM\_001290709  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTTTGGGATCCAGAAAGCATCCAACGGAGTGAAGCAGTATGAAGGAAGAGCCGCTGGCGACGGCA  
 TGAACCGCGGTGCGGACGTGGATGCAAGGCGCCGGGTGCTGGACGCCAACACAGCGCGCAGAGCGGGT  
 GGGTCTGGCCCGGCTCACTTTGAGAAGCAGCCGCTTCTAACCTGCGGAAATCCAACTTCTTCCACTTC  
 GTCCTGGCCCTACGACAGACAGGGCCAGCCGTGGAGATTGAGAGGACGGCCTTTGTGGGGTTCGTGG  
 AGAAGGAAAAAGAAGCCAACAGCGAAAAGACCAATAATGGGATCCACTACCGGCTCCAGCTCCTCTACAG  
 CAATGGGATACGGACAGAACAGGATTTCTATGTGCGCCTCATCGACTCCATGACAAAACAAGCCATAGTG  
 TATGAAGGCCAAGACAAGAACCCTGAAATGTGCCGAGTATTGCTCACACAGAGATCATGTGCAGCCGCT  
 GTTGTGACAAGAAAAGCTGTGGCAACCGAAATGAGACTCCCTCAGATCCAGTGATAATTGACAGGTTCTT  
 CCTGAAGTTTTCTTAAATGCAACAAAATTGCCTAAAGAATGCAGGAAACCCAGTGACATGCGGAGA  
 TTCCAGGTCGTGGTGTCTACCACAGTCAACGTGGATGGCCATGTCTGGCAGTCTCTGATAACATGTTTG  
 TCCACAATAACTCCAAGCACGGGCGGAGGGCTCGGAGGCTTGACCCCTCGGAAGGTACGCCCTTCTATCT  
 GGAACATGCAGCTACTCCCTGTATCAAAGCCATCAGCCGAGTGAAGGATGGACGACGGGAGGCGCGACT  
 GTGATCATCATAGGGGACAATTTCTTTGATGGGTTACAGGTCATATTCGGTACCATGCTGGTCTGGAGTG  
 AGTTGATAACTCCTCATGCCATCCGAGTTCAGACACCTCCTCGGCACATCCCTGGTGTGGTGAAGTAC  
 ACTGTCGTACAAGTCCAAGCAGTTCGCAAAGGGACACCAGGCAGATTCTACACAGCACTCAATGAA  
 CCCACCATCGACTACGGCTTCCAGAGGTTACAGAAGGTCATTCTCGGCATCCTGGTGACCCAGAGCGCT  
 TGCCAAAGGAAGTGATCCTTAAAAGAGCTGCAGATCTGGTTGAAGCCCTGTATGGGATGCCCCACAACA  
 CCAGGAGATTATCCTGAAGAGAGCTGCCGACATTGCAGAGGCTCTGTACAGTGTCCCTCGGAACCAAC  
 CAGCTCCCAGCCCTTGCTAACACTTCGGTCCATGCAGGGATGATGGGTGGAAGTCTTCACTGAGTGAAC  
 TGGCTGTGAATGTCTCGGAGGCATCACAAGCCACCAATCAAGGTTTACCCGCAACTCAAGCAGCGTGT  
 ACCACATGGCTATGTGCCGAGCACCACCCACAGCAAACCAACTATAACTCAGTACCACAAGCATGAAT  
 GGCTACGGCTCAGCCGCCATGTCCAATTTGGGCGGCTCCCAACCTTCTCAATGGCTCAGTGCACACT  
 CACCCTATGCCATTGTGCCATCCAGCCCCACCATGGCCTCATCTACAAGCCTCCCTCCAAGTGCAGTAG  
 CTCCTCTGGCATTTCTCTTCTCACCAGCCAACATGGTCTCAGCAGTGAACAGAAGAGTGCTTTTCGA  
 CCAGTTGTCAGACCCAGACGTCCCTCCTCCACCTGCACCAGCACCAACGGGAACAGCCTGCAAGCGA  
 TATCTGGCATGATTGTCCCTCCCATG

**ACGCGT**ACGCGGCGGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR230612 representing NM\_001290709  
 Red=Cloning site Green=Tags(s)

MFGIQESIQRSGSSMKKEEPLGSGMNAVRTWMQAGVLDANTAAQSGVGLARAHFEKQPPSNLRKSNFFHF  
 VLALYDRQGQPVEIERTAFVGFVEKEKEANSEKTNNGIHYRLQLLYSNGIRTEQDFYVRLIDSMTKQAI  
 YEGQDKNPEMCRVLLTHEIMCSRCCDKKSCGNRNETPSDPVIIDRFLLKFFLKCNQNLKNAGNPRDMRR  
 FQVVVSTTVNVDGHVLAUSDNMFVHNNSKHGRRARRLDPSEGTPSYLEHAATPCIKAIISPSEGWTGGAT  
 VIIIGDNFFDGLQVIFGTMLVWSELITPHAIRVQTPPRHIPGVVEVTL SYKSKQFCKGTPGRFIYALNE  
 PTIDYGFQRLQKVIPRHPGDPERLPKEVILKRAADLVEALYGMPHNNQEIIILKRAADIAEALYSVPRNHN  
 QLPALANTSVHAGMMGVNSFSGQLAVNVSEASQATNQGFTRNSSVSPHYVVPSTTPQQTNYNSVTTSMN  
 GYGAAMSNLGGSPFLNGSAANSPIAIVPSSPTMASSTSLPSNCSSSSGIFSFSPANMVS AVKQKSAFA  
 PVVRPQTSPPPTCTSTNGNSLQAI SGMIVPPM

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shutting:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_001290709

**ORF Size:** 1776 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\\_001290709.1](#), [NP\\_001277638.1](#)
**RefSeq Size:** 5206 bp

**RefSeq ORF:** 1779 bp

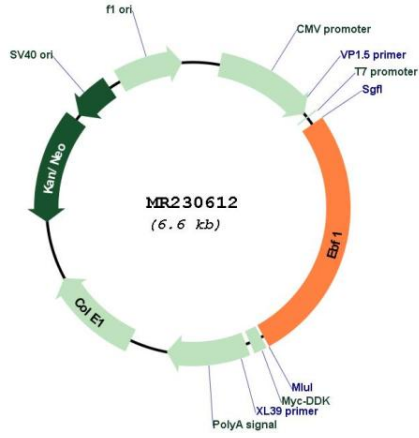
**Locus ID:** 13591

**Cytogenetics:** 11 26.45 cM

**MW:** 65 kDa

**Gene Summary:** Transcriptional activator which recognizes variations of the palindromic sequence 5'-ATTCCCNNGGGAATT-3'. [UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR230612