

## Product datasheet for **MR230367**

### **Ebf1 (NM\_001290710) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Ebf1 (NM_001290710) Mouse Tagged ORF Clone
Tag:	Myc-DDK
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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**ORF Nucleotide Sequence:**

>MR230367 representing NM\_001290710  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTTTGGGATCCAGAAAGCATCCAACGGAGTGAAGCAGTATGAAGGAAGAGCCGCTGGCGACGGCA  
 TGAACCGCGGTGCGGACGTGGATGCAAGGGCGCCGGGTGCTGGACGCCAACACAGCGCGCAGAGCGGGT  
 GGGTCTGGCCCGGCTCACTTTGAGAAGCAGCCGCTTCTAACCTGCGGAAATCCAACTTCTTCCACTTC  
 GTCCTGGCCCTACGACAGACAGGGCCAGCCGTGGAGATTGAGAGGACGGCCTTTGTGGGGTTCGTGG  
 AGAAGGAAAAAGAAGCCAACAGCGAAAAGACCAATAATGGGATCCACTACCGGCTCCAGCTCCTCTACAG  
 CAATGGGATACGGACAGAACAGGATTTCTATGTGCGCCTCATCGACTCCATGACAAAACAAGCCATAGTG  
 TATGAAGGCCAAGACAAGAACCCTGAAATGTGCCGAGTATTGCTCACACAGAGATCATGTGCAGCCGCT  
 GTTGTGACAAGAAAAGCTGTGGCAACCGAAATGAGACTCCCTCAGATCCAGTGATAATTGACAGGTTCTT  
 CCTGAAGTTTTCTTAAATGCAACAAAATTGCCTAAAGAATGCAGGAAACCCAGTGACATGCGGAGA  
 TTCCAGGTCGTGGTGTCTACCACAGTCAACGTGGATGGCCATGTCTGGCAGTCTCTGATAACATGTTTG  
 TCCACAATAACTCCAAGCACGGGCGGAGGGCTCGGAGGCTTGACCCCTCGGAAGCTACTCCCTGTATCAA  
 AGCCATCAGCCCGAGTGAAGGATGGACGACGGGAGGCGGACTGTGATCATCATAGGGGACAATTTCTTT  
 GATGGGTTACAGGTCATATTCGGTACCATGCTGGTCTGGAGTGAGTTGATAACTCCTCATGCCATCCGAG  
 TTCAGACACCTCCTCGGCACATCCCTGGTGTGGTGAAGTCACACTGTCTGACAAGTCCAAGCAGTTCTG  
 CAAAGGGACACCAGGCAGATTCATCTACACAGCACTCAATGAACCCACCTCGACTACGGCTTCCAGAGG  
 TTACAGAAGGTCATTCTCGGCATCCTGGTGACCCAGAGCGCTTGCCAAAGGAAGTGATCCTTAAAGAG  
 CTGCAGATCTGGTTGAAGCCCTGTATGGGATGCCCAACAACCAGGAGATTATCTGAAAGAGACTTGC  
 CGACATTGCAGAGGCTCTGTACAGTGTCCCTCGGAACCAACCAGCTCCAGCCCTTGCTAACACTTCG  
 GTCCATGCAGGGATGATGGGTGGAACCTTCACTGAGTGGACAACCTGGCTGTGAATGTCTCGGAGGCATCAC  
 AAGCCACCAATCAAGTTGTGCCATCCAGCCCAACCATGGCCTCATCTACAAGCCTCCCCTCCAAGTGCAG  
 TAGCTCCTCTGGCATCTTCTCCTTCTCACCAGCCAACATGGTCTCAGCAGTGAACAGAAGAGTGCTTTC  
 GCACCAGTTGTCAGACCCAGACGTCCCCTCCTCCACCTGCACCAGCACCACCGGGAACAGCCTGCAAG  
 CGATATCTGGCATGATTGTCCTCCCATG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR230367 representing NM\_001290710  
 Red=Cloning site Green=Tags(s)

MFGIQESIQRSGSSMKEEPLGSGMNAVRTWMQGAGVLDANTAAQSGVGLARAHFEKQPPSNLRKSNFFHF  
 VLALYDRQGQPVIEIERTAFVGFVEKEKEANSEKTNNGIHYRLQLLYSNGIRTEQDFYVRLIDSMTKQAIIV  
 YEGQDKNPEMCRVLLTHEIMCSRCCDKKSCGNRNETPSDPVIIDRFFLKFFLKCNQNLKNAGNPRDMRR  
 FQVVVSTTVNVDGHLAVSDNMFVHNNSKHGRRARRLDPSEATPCIKAI SPSEGWTGGATVIIIGDNFF  
 DGLQVIFGTMLVWSELITPHAIRVQTPPRHIPGVVEVTL SYKSKQFCKGTPGRFIY TALNEPTIDYGFQR  
 LQKVIPRHPGDPERLPKEVILKRAADLVEALYGMPHNNQEIILKRAADIAEALYSVPRNHNQLPALANTS  
 VHAGMMGVNSFSGQLAVNVSEASQATNQVVPSSPTMASSTSLPSNCSSSSGIFSFSPANMVS AVKQKSAF  
 APVVRPQTSPPPTCTSTNGNSLQAISGMIVPPM

**TR**TRPLEQKLI SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

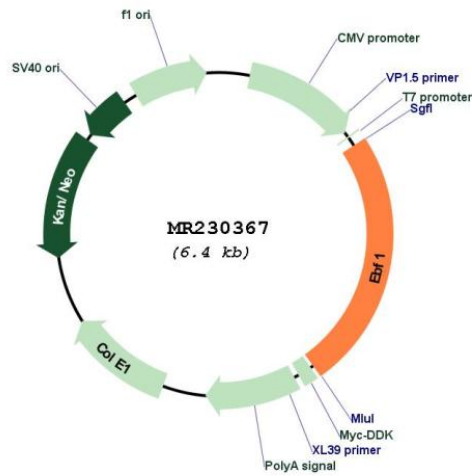
Cloning Scheme:

Cloning sites used for ORF Shutting:



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

Plasmid Map:



<b>ACCN:</b>	NM_001290710
<b>ORF Size:</b>	1569 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001290710.1</a> , <a href="#">NP_001277639.1</a>
<b>RefSeq Size:</b>	4999 bp
<b>RefSeq ORF:</b>	1572 bp
<b>Locus ID:</b>	13591
<b>Cytogenetics:</b>	11 26.45 cM
<b>MW:</b>	57.9 kDa
<b>Gene Summary:</b>	Transcriptional activator which recognizes variations of the palindromic sequence 5'-ATTCCCNNGGAATT-3'. [UniProtKB/Swiss-Prot Function]