

Product datasheet for **MR225312**

Ebf1 (NM_007897) Mouse Tagged ORF Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Ebf1 (NM_007897) 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:

>MR225312 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGTTTGGGATCCAGAAAGCATCCAACGGAGTGAAGCAGTATGAAGGAAGAGCCGCTGGGCAGCGGCA
 TGAACGCGGTGCGGACGTGGATGCAAGGCGCCGGGTGCTGGACGCCAACACAGCGCGCAGAGCGGGT
 GGGTCTGGCCCGGCTCACTTTGAGAAGCAGCCGCTTCTAACCTGCGGAAATCCAACTTCTTCCACTTC
 GTCCTGGCCCTACGACAGACAGGGCCAGCCGTGGAGATTGAGAGGACTGCCTTTGTGGGGTTCGTGG
 AGAAGGAAAAAGAAGCCAACAGCGAAAAGACCAATAATGGGATCCACTACCGGCTCCAGCTCCTCTACAG
 CAATGGGATACGGACAGAACAGGATTTCTATGTGCGCCTCATCGACTCCATGACAAAACAAGCCATAGTG
 TATGAAGGCCAAGACAAGAACCCTGAAATGTGCCGAGTATTGCTCACACACGAGATCATGTGCAGCCGCT
 GTTGTGACAAGAAAAGCTGTGGCAACCGAAATGAGACTCCCTCAGATCCAGTGATAATTGACAGGTTCTT
 CCTGAAGTTTTCTTAAATGCAACAAAATTGCCTAAAGAATGCAGGAAACCCAGTGACATGCGGAGA
 TTCCAGGTCGTGGTGTCTACCACAGTCAACGTGGATGGCCATGTCTTGGCAGTCTCTGATAACATGTTTG
 TCCACAATAACTCCAAGCACGGGCGGAGGGCTCGGAGGCTTGACCCCTCGGAAGGTACGCCCTTATCT
 GGAACATGCTACTCCCTGTATCAAAGCCATCAGCCCGAGTGAAGGATGGACGACGGGAGGCGCGACTGTG
 ATCATCATAGGGGACAATTTCTTTGATGGGTTACAGGTCATATTCGGTACCATGCTGGTCTGGAGTGAGT
 TGATAACTCCTCATGCCATCCGAGTTTACAGACCTCCTCGGCACATCCCTGGTGTGGTGGAAAGTCACT
 GTCGTACAAGTCCAAGCAGTTCTGCAAAGGGACACCAGGCAGATTCATCTACACAGCACTCAATGAACCC
 ACCATCGACTACGGCTTCCAGAGGTTACAGAAGGTCATTCTCGGCATCCTGGTGACCCAGAGCCGTTGC
 CAAAGGAAGTGATCCTTAAAAGAGCTGCAGATCTGGTTGAAGCCCTGTATGGGATGCCCCACAACAACCA
 GGAGATTATCCTGAAGAGAGCTGCCGACATTGCAGAGGCTCTGTACAGTGTCCCTCGGAACCAACAACAG
 CTCCCAGCCCTTCTCAACTTCCGTCCATGCAGGGATGATGGGTGTGAAGTCCCTCAGTGGACAAGTGG
 CTGTGAATGTCTCGGAGGCATCACAAGCCACCAATCAAGGTTTCAACCGCAACTCAAGCAGCGTGTCAAC
 ACATGGCTATGTGCCGAGCACCACCCACAGCAAACCAACTATAACTCAGTCACCACAAGCATGAATGGC
 TACGGCTCAGCCGCCATGTCCAATTTGGGCGGCTCCCAACCTTCTCAATGGCTCAGCTGCCAAGTAC
 CCTATGCCATTGTCCATCCAGCCCAACATGGCTCATCTACAAGCCTCCCTCCAAGTGCAGTAGCTC
 CTCTGGCATCTTCTCTCTCACCAGCCAACATGGTCTCAGCAGTGAACAGAAGAGTGTCTTCGACCA
 GTTGTGACAGCCAGACGTCCCCTCCTCCACCTGCACCAGCACAACGGGAACAGCCTGCAAGCGATAT
 CTGGCATGATTGTCCCTCCCATG

ACGCGTACGCGGCGGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR225312 protein sequence
 Red=Cloning site Green=Tags(s)

MFGIQESIQRSGSSMKKEEPLGSGMNAVRTWMQAGVLDANTAAQSGVGLARAHFEKQPPSNLRKSNFFHF
 VLALYDRQGQPVEIERTAFVGFVEKEKEANSEKTNNGIHYRLQLLYSNGIRTEQDFYVRLIDSMTKQAI
 YEGQDKNPEMCRVLLTHEIMCSRCCDKKSGNRNETPSDPVIIDRFLLKFFLKCNQNLKNAGNPRDMRR
 FQVVVSTTVNVDGHVLAUSDNMFVHNSKHGRRARRLDPSEGTPSYLEHATPCIKAIISPSEGWTGGATV
 IIGDNFFDGLQVIFGTMVWSELITPHAIRVQTPPRHIPGVVEVTLVSYKSKQFCKGTPGRFIYALNEP
 TIDYGFQRLQKVI PRHPGDPERLPKEVILKRAADLVEALYGMPHNNQEIILKRAADIAEALYSVPRNHQ
 LPALANTSVHAGMMGVNSFSGQLAVNVSEASQATNQGFTRNSSVSPHGYVPSTTPQQNTYNSVTTSMNG
 YGSAAMSNLGGSPFLNGSAANSFYAIVPSSPTMASSTSLPSNCSSSSGIFSFSPANMVS AVKQKSAFAP
 VVRPQTSPPPTCTSTNGNSLQAISGMIVPPM

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

ACCN: NM_007897

ORF Size: 1776 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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.

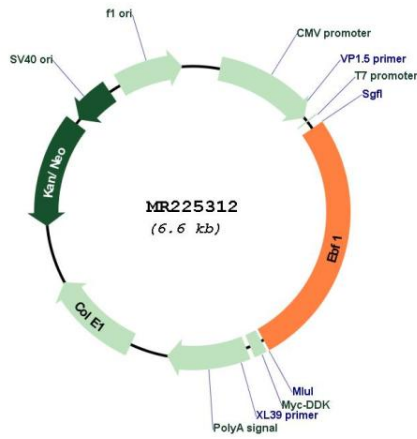
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

- 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_007897.1](#)

RefSeq Size: 5203 bp
 RefSeq ORF: 1776 bp
 Locus ID: 13591
 UniProt ID: [Q07802](#)
 Cytogenetics: 11 26.45 cM
 MW: 64.5 kDa
 Gene Summary: Transcriptional activator which recognizes variations of the palindromic sequence 5'-ATTCCCNNGGGAATT-3'. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR225312