

Product datasheet for **MC228350**

Ebf2 (NM_001276387) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ebf2 (NM_001276387) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ebf2
Synonyms:	D14Ggc1e; EBF-2; Mmot1; O/E-3; OE-3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

Fully Sequenced ORF: >MC228350 representing NM_001276387
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTTTGGGATTCAAGATACGCTAGGAAGAGACCAGCTCTGAAAGACAAGTCGCTGGTGCCGAGATGG
 ATTCGGTCAGGTCTGGGTCCGGAATGTCGGCGTGGTGGACGCCAATGTCGCGGCTCAGAGCGGAGTTGC
 TCTGTCCCGGCCCATTTTGAAAAGCAACCTCCTTCAAACCTTGAGGAAATCCAACCTCTTTTCATTTTGTCT
 CTGGCGCTCTACGACAGGCAGGGACAGCCGGTGGAGATTGAGCGCACAGCCTTCGTGGACTTTGTGGAGA
 ATGACAAAGAGCAAGGCAATGAGAAGACCAACAATGGTACTACTACAAGTTACAGCTCCTTTACAGCAA
 CGGTGTCCGCACGGAGCAGGACCTGTATGTCAGGCTCATCGACTCTGTCACCAAACAGCCCATAGCCTAT
 GAGGGACAGAATAAGAATCCCGAAATGTCAGAGTTCTGCTGACACAGAGGTGATGTGCAGTCGATGCT
 GTGAGAAGAAGAGCTGCGGGAACCGGAACGAGACCCCTTCAGACCCGGTTCATCATCGACAGATTCTTTTT
 AAAATTTTTCTGAAGTGAATCAGAATTGTTTAAAACAGCGGAAACCCAAGGGACATGAGGCGGTTCC
 CAGGTCGTGTTGTCCACAACAGTAAATGTGGATGGACATGTGCTGGCTGTTTCTGACAACATGTTTGTTTC
 ATAACAATTCTAAGCATGGAAGGAGAGCAAGAAGGCTTGACCCATCTGAAGCTACACCCTGCATCAAAGC
 CATCAGCCCAAGTGAAGGCTGGACCACAGGAGGGGCCATGGTCATCATCATTGGTGACAACCTTTTTTGAT
 GGTCTCCAGGTTGTGTTGGTACCATGCTTGTATGGAGTGAGCTCATAACCCCTCATGCCATCAGAGTAC
 AGACCCCTCCCGGCATATCCCTGGAGTTGTGGAAGTGACACTATCTTATAAATCCAAACAGTTCTGCAA
 AGGAGCCCCGGCAGGTTTCATCTACACAGCCTTAAATGAACCCACCATAGACTATGGCTTCCAAAGATTG
 CAGAAAGTCATCCAAGGCACCCAGGTGACCCTGAGAGGCTAGCTAAGGAAATGCTGTTGAAAAGAGCTG
 CGGACCTGGTGAAGCCCTCTACGGCACACCACAATAATCAGGACATCATTTTAAAGCGTGTGCAGA
 CATTGCTGAAGCCCTGTACAGTGTCCCGAGGAACCCAGCCAGATTCCAGCTCTTTCCAGCTCCCGAGCT
 CACAGCGGTATGATGGGTATCAACTCTTACGGCAGCCAGCTCGGCGTCAGCATTTTCAGAGTCCACACAAG
 GAAATAACCAAGGATACATCCGCAACACAAGCAGCATCTCCCGCGGGGATACTCCTCCAGCTCCACGCC
 TCAGCAATCTAATTACAGCACCTCCAGCAACAGCATGAACGGCTACAGCAATGTTCTATGGCCAACCTG
 GGTGTGCCAGGATCCCGGGATTCTGAATGGCTCACCCAGGGCTCCCATATGGAATCATGTCTTCAA
 GCCCCACCGTGGGATCCTCCAGCACGTCTCCATCCTCCCGTTCTCTTTCAGTTTTCTGCTGTCAA
 ACAGAAGAGTGCCTTTGCCCTGTATCAGGCCCAAGGCTCCCATCGCTGCCTGCTCCAGCGGCAAT
 GGAACGGATTACAGCCATGACAGGACTTGTGTTCCCGGATG**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001276387
- Insert Size:** 1728 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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:	<ol style="list-style-type: none">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:	<u>NM_001276387.1</u> , <u>NP_001263316.1</u>
RefSeq Size:	5532 bp
RefSeq ORF:	1728 bp
Locus ID:	13592
UniProt ID:	<u>O08792</u>
Cytogenetics:	14 D1
Gene Summary:	<p>Transcription factor that, in osteoblasts, activates the decoy receptor for RANKL, TNFRSF11B, which in turn regulates osteoclast differentiation. Acts in synergy with the Wnt-responsive LEF1/CTNNB1 pathway. Recognizes variations of the palindromic sequence 5'-ATTCCCNNGGGAATT-3'. [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longest transcript. Variants 1, 2 and 3 encode the same protein.</p>