

Product datasheet for **MC216445**

Egr2 (NM_010118) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Egr2 (NM_010118) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Egr2
Synonyms:	Egr-2; Krox-20; Krox20; NGF1-B; Zfp-6; Zfp-25
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC216445 representing NM_010118
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGATGACCGCCAAGGCCGTAGACAAAATCCCAGTAACTCTCAGTGGTTTTATGCACCAGCTGCCTGACA
 GCCTCTACCCGGTGAAGACCTCGCCGCTCGTCGGTGACCATCTTCCCAATGGTGAAGTGGGAGGCC
 CTTTGACCAGATGAACGGAGTGGCGGGAGATGGCATGATCAACATTGACATGACTGGAGAGAAGAGACCC
 CTGGATCTCCCGTATCCGAGTAGCTTCGCTCCCATCTCTGCACCTAGAAACCAGACCTTCACTTACATGG
 GCAAATTTCCATTGACCCACAGTACCCTGGTGCCAGTGCTATCCAGAAGGTATCATCAATATTGTGAG
 TGCGGGCATCTTGAAGGGGTACCCCTCCAGCTTCAACCACAGCCTCTCCAGCGTCACCTCCGCTCC
 CCCAACCCACTGGCCACGGGACCCCTGGGTGTGTGTACCATGTCCAGACTCAGCCTGAAGTGGACCACC
 TCTACTCTCCGCCACCACCTCCTCCTTATTTCGGGCTGTACAGGAGATCTCTACCAGGATCCTTCAGC
 ATTCTTATCGCCGCCATCCACCCTTCCACCTCCTCTCTGGCCTACCAGCCACCTCCTTCTACCCATCC
 CCCAAGCCAGCTATGGACCCAGGTCTATTCTATGATCCAGACTATCCTGGATTTTTTCCATCTCCGT
 GCCAGAGAGATCCACACGGTGTCTGGCCAGATCGAAAGCCGTTTCCCTGTCTCTGGACTCCCTGCG
 AGTGCCCCCTCCACTCACGCCACTCTTACCATCCGTAATTTTACTCTGGGGGTCCCGGTGCTGGAGTC
 ACGGGACCAGGAGCAAGTGGAGGTGGTGAAGGACCTCGGCTGCCTGGCAGTGGGTCTGCAGCAGTACTG
 CCACCCCTTATAATCCGCACCACCTGCCATTGCGGCCATCCTGCGACCTCGAAAGTACCCTAACAGGCC
 CAGCAAACGCCAGTGCACGAAAGGCCCTATCCCTGCCAGCAGAAGGTTGTGATAGGAGTTCTCACGC
 TCTGATGAGCTGACCAGGCACATCCGAATCCACACGGGCCACAAGCCCTCCAGTGTGGATCTGCATGC
 GAAACTTCAGCCGAAGTGACCACCTTACTACTCACATCCGAACCCACACCGGGGAGAAGCCCTTTGCCTG
 TGAATTTGTGGCCGAAGTTTGCAGGAGTGACGAAAGGAAGGCCACACCAAGATCCACCTTCGGCAG
 AAGGAACGGAAGAGCAGTCTCCCTCTGCACCTCCATCTGCCAGTCTTACGCTCTGGTCTGGGGCT
 CGCAGGCCGGGGCAGCCTGTGCGGTAACAGCGCCATTGGAGGACCCTGGCCTCTGCACCTCTCGAAC
 CAGGACACCG**TGA**

ACCGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_010118
- Insert Size:** 1413 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).
- 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_010118.3](#), [NP_034248.2](#)

RefSeq Size: 2972 bp

RefSeq ORF: 1413 bp

Locus ID: 13654

UniProt ID: [P08152](#)

Cytogenetics: 10 34.96 cM

Gene Summary: Sequence-specific DNA-binding transcription factor. Binds to two specific DNA sites located in the promoter region of HOXA4. Binds to the promoter region of ERBB2. May play a role in the regulation of hindbrain segmentation, might act in combination with the Hox network to specify odd and even rhombomeres, and might participate in the control of the expression of some of the homeobox containing genes.[UniProtKB/Swiss-Prot Function]