

## Product datasheet for MR222174

### Egr3 (NM\_018781) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Egr3 (NM_018781) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Egr3
Synonyms:	Pilot
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR222174 representing NM_018781 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGACCGGCAAACCTCGCCGAGAAGCTGCCGGTGACCATGAGCAGTTTGCTAAATCAATTGCCTGACAATC  
TGTACCCCGAGGAGATCCCGAGCGCTCAACCTCTTCTCCGGCAGCAGCGACTCGGTAGCCATTACAA  
TCAGATGGCTACAGAGAATGTGATGGACATCGGTCTGACCAACGAGAAGCCCAATCCGGAATCTCTTAT  
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CTTCCAATGGTGCCAGGACAACATCATTAGCCTCATGAGTGCCGGCATCTTGGGGTGCCCCGGCCTC  
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CCCTTCCAGGGCATGGACCCATCCGGGTCAACCCACCCCTATTACCCACTGGAGACCATCAAGGCCT  
TCAAAGACAAGCAGATCCACCCGGGATTCGGCAGCCTGCCCAACCGCCGCTCACTCTCAAGCCATCCG  
GCCCGCAAGTACCCCAATCGGCCTAGCAAGACCCGCTCCACGAGCGGGCCACGCGTGTCCCGGGAA  
GGCTGTGACCGCGTTTCAGCCGCTCAGACGAGCTGACCCGGCACCTGCGCATCCACGGGCCACAAGC  
CCTTCCAGTGTCCGATTCGATGCGCAGCTTCCAGCCGACGACCACTCACCCTCACATCCGACGCA  
CACCGGGGAGAAGCCCTTTCCTGTGAGTTCTGTGGGCGCAAGTTTGCAGCAGCGACGAGCGCAAGCGC  
CACGCCAAGATCCACCTCAAGCAAAAGGAGAAGAAGTCGGAGAAAGGGGTGCGCCTCTGCATCTCGG  
CGCCACCGTGTCCCTGGCCCTGTGGTACCACCTGCGCC

AG**CGGACCG**ACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
TGGATTACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR222174 representing NM\_018781  
Red=Cloning site Green=Tags(s)

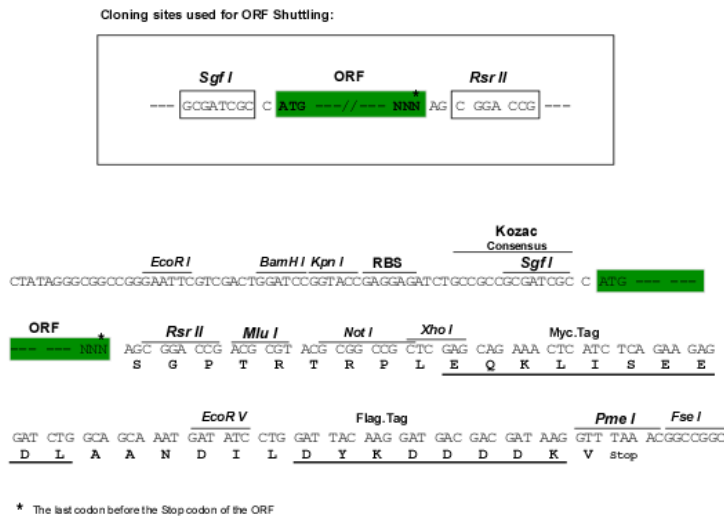
MTGKLAELKLPVTMSSLLNQLPDNLYPEEIPSAIPLNLFSGSSDSVAHYNQMATENVMDIGLTNEKPNPELSY  
 SSSFQPAPGNKTVTYLGKFAFDSPSNWCQDNIISLMSAGILGVPPASGALSTQTSTASMVQPPQGDVEAM  
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 PFQGMPIRVNPPPIITPLETIKAFKDKQIHPGFGSLPQPPLTLKPIRPRKYPNRPSKTPLHERPHACPAE  
 GCDRRFSRSDDELTRHLRIHTGHKPFQCRICMRSFSRSDHLTTHIRHTHTGKPFACEFCGRKFARSDERKR  
 HAKIHLKQKEKKSEKGGAPSASSAPTIVSLAPVVTTC

SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mm9033\\_c01.zip](https://cdn.origene.com/chromatograms/mm9033_c01.zip)

**Restriction Sites:** SgfI-RsrII

**Cloning Scheme:**



**ACCN:** NM\_018781

**ORF Size:** 1161 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\\_018781.4](#)

**RefSeq Size:** 1416 bp

**RefSeq ORF:** 1164 bp

**Locus ID:** 13655

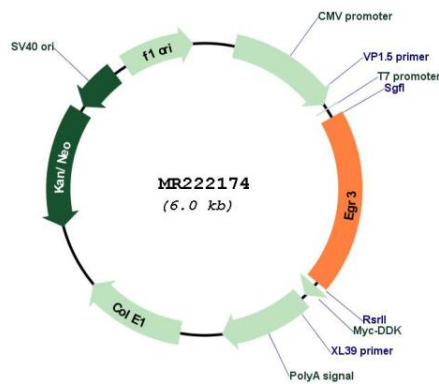
**UniProt ID:** [P43300](#)

**Cytogenetics:** 14 D2

**MW:** 43.1 kDa

**Gene Summary:** Probable transcription factor involved in muscle spindle development.[UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for MR222174