

## Product datasheet for **MR229419**

### Egr3 (NM\_001289925) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Egr3 (NM\_001289925) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Egr3  
**Synonyms:** Pilot  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >MR229419 representing NM\_001289925  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGC**

ATGGAGCCATGTGCGGCGTGGAGTCCCCACGGTGGGAGAGAGAATGTGATGGACATCGGTCTGACCAACG  
AGAAGCCCAATCCGGAATCTTTATTCGAGCTCTTTCCAGCCAGCCCCGGCAACAAGACCGTGACCTA  
CTTGGGAAAGTTCGCTTTTCGACTCTCCTTCCAAGTGGTCCAGGACAACATCATTAGCCTCATGAGTGCC  
GGCATCTTGGGGGTGCCCGGCTCAGGGGCGCTCAGTACGCAGACGTCCACGGCTAGCATGGTGCAGC  
CTCCTCAGGGAGACGTGGAGGCCATGTATCCGGCGCTGCCTCCTTATTCCAAGTCCGCGGATCTCTACTC  
GGAGCCCGTGTCTTTCCACGACCCCCAGGGAAACCTGGGCTCGCCTATCCCCCAGGATTACCAATCG  
GCCAAGCCGGCCTTGACAGCAATCTTTTCCCATGATTCTGACTACAACTGTACCACCATCCCAACG  
ACATGGGCTCCATTCCGGAACATAAGCCCTTCCAGGGCATGGACCCATCCGGGTCAACCCACCCCTAT  
TACCCACTGGAGACCATCAAGCCCTTCAAAGACAAGCAGATCCACCCGGGATTCGGCAGCCTGCCCAA  
CCGCCGCTCACTCTCAAGCCATCCGGCCCCGCAAGTACCCCAATCGGCCTAGCAAGACCCCGCTCCACG  
AGCGGCCACGCGTGTCCCGGGAAGGCTGTGACCGCGTTTCAGCCGCTCAGACGAGCTGACCCGGCA  
CCTGCGCATCCACAGGGCCACAAGCCCTTCCAGTGTCCGATCTGCATGCGCAGCTTCAGCCGCAGCGAC  
CACCTACCACTCACATCCGCACGCACACCGGGGAGAAGCCCTTGCCTGTGAGTTCTGTGGGCGCAAGT  
TTGCGCGCAGCGACGAGCGCAAGCGCCACGCCAAGATCCACCTCAAGCAAAGGAGAAGAAGTCGGAGAA  
AGGGGGTGCGCCCTCTGCATCTCGGCGCCACCGTGTCCCTGGCCCCTGTGGTACCACCTGCGCC

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
TGGATTACAAGGATGACGACGATAAGGTTTAA



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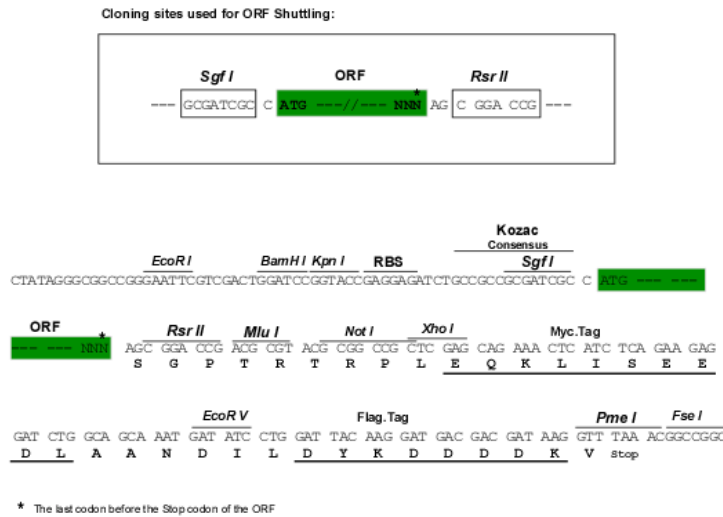
**Protein Sequence:** >MR229419 representing NM\_001289925  
 Red=Cloning site Green=Tags(s)

MEPCAAWSPHGGRENVMDIGLTNEKPNPELSYSSSFQAPGNKTVTYLGKFAFDSPSNWCQDNIISLMSA  
 GILGVPPASGALSTQTSTASMVQPPQGDVEAMYALPPYSNCGDLYSEPVSFHDPQGNPGLAYSPQDYQS  
 AKPALDSNLFPMIPDYNLYHHPNDMGSIPEHKPFQGMPIRVNPPPITPLETIKAFKDKQIHPGFGLPQ  
 PPLTLKPIRPRKYPNRPSTPLHERPHACPAEGCDDRRFSRSDDELTRHLRIHTGHKPFQCRICMRSFSRSD  
 HLTTHIRHTHTGEKPFACEFCGRKFARSDEKRHAKIHLKQKEKSEKGGAPSASSAPTIVSLAPVVTTCA

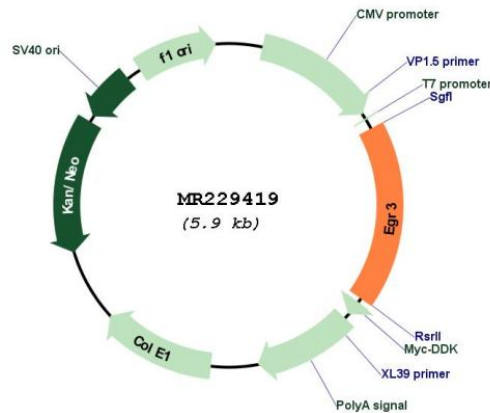
SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-RsrII

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001289925

**ORF Size:** 1047 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_001289925.2</a>
<b>RefSeq Size:</b>	3925 bp
<b>RefSeq ORF:</b>	1050 bp
<b>Locus ID:</b>	13655
<b>Cytogenetics:</b>	14 D2
<b>MW:</b>	39 kDa
<b>Gene Summary:</b>	Probable transcription factor involved in muscle spindle development.[UniProtKB/Swiss-Prot Function]