

Product datasheet for **RC233839**

EGR3 (NM_001199880) Human Tagged ORF Clone

Product data:

| | |
|---------------------------|--------------------------------------------------------------------------------|
| Product Type: | Expression Plasmids |
| Product Name: | EGR3 (NM_001199880) Human Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | EGR3 |
| Synonyms: | EGR-3; PILOT |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| ORF Nucleotide Sequence: | >RC233839 representing NM_001199880 Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGAGCCATGTGCGCGTGGAGTCCCCGCGTGGGAGAGAGAATGTAATGGACATCGGTCTGACCAACG
AGAAGCCCAACCCGGAATCTTACTCCGGCTCCTCCAGCCAGCCCCGGCAACAAGACCGTGACCTA
CTTGGAAAGTTCGCCTTCGACTCCCCTCCAAGTGGTCCAGGACAACATCATTAGCCTCATGAGCGCC
GGCATCTTGGGGTGCCCCGGCTTCAGGGCGCTCAGCACGCAGACGTCCACGGCCAGCATGGTGCAGC
CACCGCAGGGTGACGTGGAGGCCATGTATCCCGCGCTACCCCCCTACTCCAAGTCCGCGGACCTCTACTC
AGAGCCCGTGTCTTCCAGACCCCCAGGGCAATCCCGGGCTCGCCTATCCCCCCAGGATTACCAATCG
GCCAAGCCGGCGTTGGACAGCAATCTCTTCCCCATGATTCTGACTACAACCTCTACCACCACCCCAACG
ACATGGGCTCCATTCCGGAGCACAAGCCCTTCCAGGGCATGGACCCCATCCGGGTCAACCCGCCCCCTAT
TACCCCTCTGGAGACCATCAAGGCATTCAAAGACAAGCAGATCCACCCGGGCTTGGCAGCCTGCCCCAG
CCGCGCTCACCTCAAGCCATCCGGCCCCGCAAGTACCCCAACCGGCTAGCAAGACACCGCTCCACG
AACGGCCCCACGCGTGCCCGGCCGAGGGCTGCGACCGCGTTCAGCCGTTGGACGAGCTGACCCGGCA
CCTGCGCATCCACAGGGCCACAAGCCCTTCCAGTCCCGGATCTGCATGCGGAGCTTCCAGCCGACGCGAC
CACCTCACCACTCACATCCGACTCATACGGGCGAGAAGCCCTTGCCTGCGAGTCTGCGGGCGCAAGT
TTGCGCGACGACGAGCGCAAGCGCCACGCCAAGATCCACCTCAAGCAAAGGAGAAGAAGGCGGAGAA
GGGCGGTGCACCCTCTGCATCCTCGGGCCCCCGTGTGCTGGCCCCGTGGTACCACCTGCGCC

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >RC233839 representing NM_001199880
Red=Cloning site Green=Tags(s)

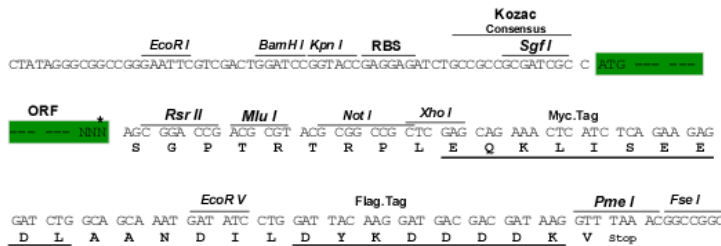
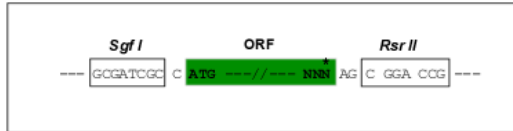
MEPCAAWSPRGGRENVMDIGLTNEKPNPELSYSGSFQAPGNKTVTYLGKFAFDSPSNWCQDNIISLMSA
 GILGVPPASGALSTQTSTASMVQPPQGDVEAMYALPPYSNCGDLYSEPVSFHDPQGNPGLAYSPQDYQS
 AKPALDSNLFPMIPDYNLYHHPNDMGSIPEHKPFQGMDFIRVNPPPIITPLETIKAFKDKQIHPGFGLPQ
 PPLTLKPIRPRKYPNRPSTPLHERPHACPAEGCDDRRFSRSDDELTRHLRIHTGHKPFQCRICMRSFSRSD
 HLTTHIRHTHTGEKPFACEFCGRKFARSDEKRHAKIHLKQKEKKAEGGAPSASSAPPVSLAPVVTTCA

SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-RsrII

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001199880

ORF Size: 1047 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_001199880.2](#)

RefSeq Size: 3918 bp

RefSeq ORF: 1050 bp

Locus ID: 1960

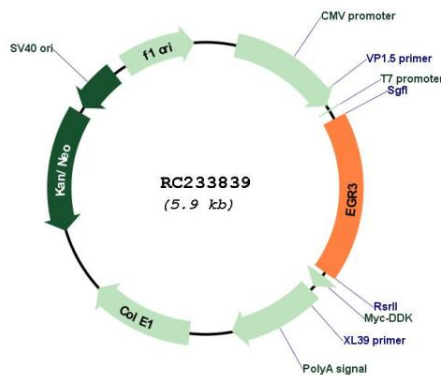
UniProt ID: [Q06889](#)

Cytogenetics: 8p21.3

MW: 38.9 kDa

Gene Summary: This gene encodes a transcriptional regulator that belongs to the EGR family of C2H2-type zinc-finger proteins. It is an immediate-early growth response gene which is induced by mitogenic stimulation. The protein encoded by this gene participates in the transcriptional regulation of genes in controlling biological rhythm. It may also play a role in a wide variety of processes including muscle development, lymphocyte development, endothelial cell growth and migration, and neuronal development. Alternative splicing results in multiple transcript variants encoding distinct isoforms.[provided by RefSeq, Dec 2010]

Product images:



Circular map for RC233839