

Product datasheet for **SC331389**

EGR3 (NM_001199881) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: EGR3 (NM_001199881) Human Untagged Clone
Tag: Tag Free
Symbol: EGR3
Synonyms: EGR-3; PILOT
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC331389 representing NM_001199881.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
ATGGACATCGGTCTGACCAACGAGAAGCCCAACCCGGAACCTCTTACTCCGGCTCCTTCCAGCCAGCC
CCC GGCAACAAGACCGTGACCTACTTGGGAAAGTTCGCCTTCGACTCCCCTTCCAAGTGGTCCAGGAC
AACATCATTAGCCTCATGAGCGCCGGCATCTTGGGGGTGCCCCCGGCTTCAGGGGCGCTCAGCACGCAG
ACGTCCACGGCCAGCATGGTGCAGCCACCGCAGGGTGACGTGGAGGCCATGTATCCCGCGCTACCCCC
TACTCCAAGTGGCGGACCTCTACTCAGAGCCCGTGTCTTCCAGACCCCAAGGCAATCCCGGGCTC
GCCTATTCACCCAGGATTACCAATCGGCAAGCCGGCGTTGGACAGCAATCTCTTCCCATGATTCTT
GACTACAACCTCTACCACCACCCCAACGACATGGGCTCCATTCCGGAGCAAGCCCTTCCAGGGCATG
GACCCCATCCGGGTCAACCCGCCCTATTACCCCTCTGGAGACCATCAAGGCATTCAAAGACAAGCAG
ATCCACCCGGGCTTTGGCAGCCTGCCAGCCGCGCTCACCTCAAGCCCATCCGGCCCGCAAGTAC
CCCAACCGGCCTAGCAAGACACCGCTCCACGAACGGCCCAACGCGTGCCCGGCCGAGGGCTGCGACCGC
CGTTTCAGCCGTTTCGGACGAGCTGACCCGGCACCTGCGCATCCACACGGGCCACAAGCCCTTCCAGTGC
CGGATCTGCATGCGGAGCTTCAGCCGACGCGACCACTCACCCTCACATCCGCACTCATACGGGCGAG
AAGCCCTTTCCTGCGAGTTCTGCGGGCGCAAGTTTTCGCGCAGCGACGAGCGCAAGCGCCACGCCAAG
ATCCACCTCAAGCAAAAGGAGAAGAAGGGGAGAAAGGGCGGTGCACCCTCTGCATCCTCGGCGCCCCC
GTGTCGCTGGCCCCCGTGGTACCACCTGCGCC TGA
```

Restriction Sites: Sgfl-RsrII

ACCN: NM_001199881

Insert Size: 1002 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).



[View online >](#)

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_001199881.1](#)

RefSeq Size: 3912 bp

RefSeq ORF: 1002 bp

Locus ID: 1960

UniProt ID: [Q06889](#)

Cytogenetics: 8p21.3

MW: 36.7 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]
Transcript Variant: This variant (3) initiates from a distinct promoter and has a different 5' end, compared to variant (1). It encodes an isoform (3) with a shorter N-terminus, compared to isoform 1.