

Product datasheet for **RN205200**

Egr1 (NM_012551) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Egr1 (NM_012551) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Egr1
Synonyms:	Krox-24; Ngf1; Ngfi; NGFI-A; zif-268
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN205200 representing NM_012551
 Red=Cloning site Blue=ORF Orange=Stop codon

CTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCCGGCGC
 GCCC

ATGGACAACACCCAACTGGAGGAGATGATGCTGCTGAGCAACGGGGCTCCCCAGTTCCTCGGTGCTG
 CCGGAACCCAGAGGGCAGCGGGCAATAACAGCAGCAGCAGCAGCAGCAGCAGCAGCGGGGGCGGTGG
 TGGGGCGGCAGCAACAGCGGCAGCAGCGCTTTCAATCCTCAAGGGGAGCCGAGCGAACAACCTACGAG
 CACCTGACCACAGAGTCTTTTCTGACATCGCTCTGAATAACGAGAAGGCGCTGGTGGAGACAAGTTATC
 CCAGCCAACTACCCGGTGCCTCCCATCACCTATACTGGCCGCTTTCCTGGAGCCTGCACCCAAACAG
 TGGCAACACTTTGTGGCCTGAACCCCTTTTCAGCCTAGTCAGTGGCCTTGTGAGCATGACCAACCTCCA
 ACCTCTTCATCCTCAGCGCCTTCCAGCTGCTTCATCGTCTTCTCCTGCCTCCAGAGCCACCCTGA
 GCTGTGCCGTGCCGTCCAACGACAGCAGTCCCATTACTCAGCTGCACCCACCTTTCCTACTCCCAACAC
 TGACATTTTTCTGAGCCCAAAGCCAGGCCTTTCCTGGCTCTGCAGGCACAGCCTTGCAGTACCCGCT
 CCTGCCTACCCTGCCACCAAGGGTGGTTTTCCAGGTTCCCATGATCCCTGACTATCTGTTCCACAACAAC
 AGGGAGACCTGAGCCTGGGCACCCAGACCAGAAGCCCTTCCAGGGTCTGGAGAACCGTACCCAGCAGCC
 TTCGCTCACTCCACTATCCACTATCAAAGCCTTCGCCACTCAGTCGGGCTCCCAGGACTTAAAGGCTCTT
 AATAACACCTACCAGTCCCAACTCATCAAACCCAGCCGCATGCGCAAGTACCCCAACCGGCCAGCAAGA
 CACCCCCCATGAACGCCCGTATGCTTGGCCTGTTGAGTCTGCGATCGCCGCTTTTCTCGCTCGGATGA
 GCTTACACGCCACATCCGCATCCATACAGGCCAGAAGCCCTTCCAGTGTGCAATCTGCATGCGTAATTTT
 AGTCGTAGTGACCACCTTACCACCCACATCCGCACCCACACAGGGCAGAGAAGCCTTTTGCCTGTGACATTT
 GTGGGAGAAAGTTTGGCAGGAGTGAACGCAAGAGGCATACCAAATCCACTTAAGACAGAAGGACAA
 GAAAGCAGACAAAAGTGTGCGTGGCTCCTCAGCTGCCTCTTCCCTCTTCTCCTACCCATCCCAAGTGGCT
 ACCTCCTACCCATCCCCGCCACCACCTCATTTCCATCCCCAGTCCACCTTACTCCTCTCCGGGCT
 CCTCTACCTACCCGTCTCCTGCACACAGTGGTTCCCATCGCCCTCGGTGGCCACCACCTATGCCTCCGT
 CCCACCTGCTTTCCCTGCCAGGTGAGCACCTTCCAGTCTGCAGGGGTGAGCAACTCCTTACGACCTCA
 ACGGGTCTTTCAGACATGACAGCAACCTTTTCTCCTAGGACAATTGAAATTTGCTAA

ACCGGTACGGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: AscI-MluI

ACCN: NM_012551

Insert Size: 1527 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

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:	<ol style="list-style-type: none">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:	<u>NM_012551.2</u> , <u>NP_036683.1</u>
RefSeq Size:	1527 bp
RefSeq ORF:	1527 bp
Locus ID:	24330
UniProt ID:	<u>P08154</u>
Cytogenetics:	18p12
Gene Summary:	activates transcription of the LH receptor gene; may be involved in synaptic plasticity during REM sleep [RGD, Feb 2006]