

## Product datasheet for **RN206025**

### **Egr2 (NM\_053633) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Egr2 (NM_053633) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Egr2
Synonyms:	Krox20
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN206025 representing NM\_053633  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGATACCGCCAAGGCCGTAGACAAAATCCAGTAACCTCTCAGTGGTTTTATGCACCAGCTGCCTGACA  
 GCCTCTACCCGGTGAAGACCTCGCCGCCCGTCGGTGACCATCTTCCCAATGGTGAACCTGGGAGGCC  
 CTTTGATCAGATGAACGAGTGGCTGGAGATGGCATGATCAACATTGACATGACCGGAGAGAAGAGGCC  
 TTGGATCTCCATATCCGAGTAGCTTCGCTCCCATCTCTGCGCCTAGAAACCAGACCTTCACTTACATGG  
 GCAAATTTCCATTGACCCTCAGTACCCTGGTGCCAGCTGCTACCCAGAAGGCATCATCAATATTGTGAG  
 TGCGGGCATCTTGCAAGGGGTACCCCTCCAGCTTCAACCACAGCCTTCCAGCGTCACCTCGCTCC  
 CCCAACCCACTGGCCACGGGACCCCTGGGTGTGTGTACCATGTCCAGACTCAGCCTGAACCTGGACCACC  
 TCTACTCTCCACCACCCTCCTCCTTATTTCGGGCTGTACAGGAGACCTTACCAGGATCCTTCAGC  
 ATTCTTATCGCCGCCACCACCTTCCACCTCCTCTCTGGCCTACCAGCCACCTCCTTCTACCCATCC  
 CCCAAGCCGGCTATGGACCCAGGTCTATTCTATGATCCAGACTATCCTGGATTTTTTCCATCTCCGT  
 GCCAGAGAGATCCACATGGCGCGGCTGGCCCTGATCGAAAGCCGTTCCCTTGCCTCTGGACTCCCTGCG  
 GGTCCCCCTCCGCTCACGCCACTCTCCACCATCCGTAATTTTACTCTTGGGGGGCCAGTCTGGCGTC  
 ACGGGACCAGGGCAAGTGGAGGCGGTGAGGGTCCCCGACTGCCTGGCAGTGGGTCTGCAGCAGTACTG  
 CTACCCCTACAATCCGACCACCTGCCTTTAAGGCCATCCTGAGACCTCGAAAGTACCCCAACAGGCC  
 CAGCAAGACGCCAGTGCACGAAAGGCCGTACCCCTGCCAGCAGAGGGTTGCGACAGGAGTTCTCACGC  
 TCTGATGAGCTGACCAGGCACATCCGAATCCACACCGGTACAAAGCCCTCCAGTGTGGATCTGCATGC  
 GAAATTCAGCCGAAGTGACCACCTCACACTCCGACCCACACCGGGGAGAAGCCCTTTGCCTG  
 TACTATTGTGGCCGTAAGTTTGCCTGGAGTGACGAAAGGAAGGCCACACCAAGATCCACCTTCGCCAG  
 AAGGAGAGGAAGAGCAGTCCCCCTCGTCATCTGCATCCGCCAGTCTTACGCTCTGGTCTGGGGCT  
 CGCAGGCCGGGGCAGCCTGTGCGGTAACAGCGCCATTGGAGGACCCTGGCCTCTGCACCTCTCGGAC  
 CAGGACCCCGTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul  
**ACCN:** NM\_053633  
**Insert Size:** 1413 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](mailto: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](#)

<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>	<u><a href="#">NM_053633.1</a></u> , <u><a href="#">NP_446085.1</a></u>
<b>RefSeq Size:</b>	2976 bp
<b>RefSeq ORF:</b>	1413 bp
<b>Locus ID:</b>	114090
<b>UniProt ID:</b>	<u><a href="#">P51774</a></u>
<b>Cytogenetics:</b>	20p11
<b>Gene Summary:</b>	binds DNA; may play a role in learning and long term potentiation [RGD, Feb 2006]