

## Product datasheet for **RN217120**

### **Nrg1 (NM\_001271118) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Nrg1 (NM_001271118) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Nrg1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >RN217120 representing NM\_001271118  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGAGATTTATTCCCCAGACATGTCTGAGGTAGCTGGCGGGAGGTCCTCCAGCCCTCCACTCAGCTGA  
 GTGCAGCCCATCTTTGATGGCTTCCGGCAGCGGAGGAACATATACCAGACACCCACACAGAAGATGA  
 GAGAAGCCCTGGACTCCTGGGCCTGGCGGTGCCCTGCTGTGTGTGCCTGGAAGCTGAGCGCTGAGAGGG  
 TGTCTCAACTCCGAGAAGATCTGCATTGTTCCATTCTGGCTGCCTAGTCAGCCTCTGCCTCTGCATTG  
 CTGGCCTGAAGTGGGATTTGTGGACAAGATATTTGAATACGACTCTCTACCCACCTTGACCCTGGGGG  
 GTTAGGCCAGGACCCTGTGATTTCTCTGGATCCAAGTCTGCCAGCCATTTTGGTATCATCTGAGGCA  
 TACTTACCTGTCTAAGGCTCAGTCTGAAGCTGGGCTCATGTTACAGTACAAGGTGACCATGCTG  
 CTGTGGCCTCTGAACCTTCAGCAGTACCAGCCGGAAGAACCAGGCTGTCTGCTTTTCTCCCTTTCACTC  
 TACTGCACCGCCCTTCCCTTCTCCAGCTCGGACCCTGAGGTGAGAACACCCAAGTCAGGAACTCAGCCA  
 CAAACAACAGAACTAACTGCAAAGTCTCTAAACTTTCACATCGACATCCAGACTGGGACCAGCC  
 ATCTCATAAAGTGCAGGAGAAGGAGAAAATTTCTGTGTGAATGGGGGGAGTGCTTACGGTGAAGGA  
 CCTGTCAAACCCGTCAAGATACTTGTGCAAGTGCCCAAATGAGTTTACTGGTGATCGTTGCCAAAATAC  
 GTAATGGCCAGCTTCTACAAGCATCTTGGGATTGAATTTATGGAAGCGGAGGAACCTACCAGAAGAGGG  
 TGCTGACAATTACTGGCATCTGTATCGCCCTGCTGGTGGTCGGCATCATGTGTGTGGTGGCTACTGCAA  
 AACCAAGAAGCAGCGGAGGAGTTCATGATCGGCTTCCGAGAGTCTTCGGTCAGAACGGAGCAACCTG  
 GTGAACATAGCGAATGGCCCTCACACCCAAACCAGCCAGAGAACGTGCAGCTGGTGAATCAATACG  
 TATCTAAAAACGTCACTCCAGTGAGCATATTGTTGAGAGAGAAGTGGAGACTTCTTTTCCACCAGTCA  
 TTACACTTCCACAGCCCATCACTCCAGCACTGTCACCCAGACTCCTAGTCACAGCTGGAGTAATGGGCAC  
 ACGGAGAGCATATTTACAGAAAGCAACTCCGTAATCATGATGTCTTCCGTAGAGAACAGCAGGCACAGCA  
 GTCCCGCCGGGGCCACGAGGACGCTTTCATGGCCTGGGAGGCCCTCGTGATAACAGCTTCTCAGGCA  
 TGCCAGAGAAACCCCTGACTCCTACAGAGACTCTCCTCATAGCGAAAGGTATGTATCAGCCATGACCACC  
 CCGGCTCGTATGTCACCTGTAGATTTCCACAGCCAAGTCCCTAAATCGCCCCCTTGGAAATGTCTC  
 CACCCGTGTCAGCATGACGGTCAATGCCCTCTGTGGCAGTCAGCCCTTTGTGGAAGAAGAGAGGCC  
 TCTGCTGCTTGTGACGCCACCAAGGCTACGGGAGAAGAAATATGATCATACCCCCAGCAACTCACTCC  
 TTTTCATACAACCTGCACATCAGAGTACCAGCCTCCCCCTAGCCACTGAGGATAGTGGAGGATGAGG  
 AGTACGAGACGCCAGGAGTATGAGTCAGTTCAAGAGCCGTTAAGAAAGTCACCAATAGCCGGCGGGC  
 CAAAAGAACCAAGCCCAATGGCCACATTGCCAATAGGTTGAAATGGACAGCAACACAAGTTCTGTGAGC  
 AGTAACTCAGAAAGTGAAGACAGAAGACGAAAGAGTAGGTGAAGACACACCATTCTGGGCATACAGAACC  
 CCCTGGCAGCCAGCCTTGAGGTGGCCCTGCCTTCCGTCTGGCTGAGAGCAGGACTAACCAGCAGGCCG  
 CTTCTCCACAGGAGGAATTACAGGCCAGGCTGTCTAGTGAATCGCTAACCAAGACCCTATTGCTGTA  
**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul

**ACCN:** NM\_001271118

**Insert Size:** 2103 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).

<b>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<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>NM_001271118.1, NP_001258047.1</u>
<b>RefSeq Size:</b>	3715 bp
<b>RefSeq ORF:</b>	2103 bp
<b>Locus ID:</b>	112400
<b>Cytogenetics:</b>	16q12.3
<b>Gene Summary:</b>	<p>ligand for Erbb3 and Erbb4 receptors; gene produces many different alternative splicing isoforms; involved in neural and organ development [RGD, Feb 2006]</p> <p>Transcript Variant: This variant (1) encodes the longest isoform (1). Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>