

Product datasheet for **RN216119**

Nrg1 (NM_001271123) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Nrg1 (NM_001271123) Rat Untagged Clone
Tag: Tag Free
Symbol: Nrg1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN216119 representing NM_001271123
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCTGAGCGCAAAGAAGGCAGAGGCAAGGGGAAGGGCAAGAAGAAGGACCGGGGATCCCGCGGAAGC
CCGGGCCCGCGAGGGCGACCCGAGCCAGCACTGCCTCCAGATTGAAAGAAATGAAGAGCCAGGAGTC
AGCTGCAGGCTCCAAGTAGTGCTCCGGTGCGAAACCAGCTCCGAGTACTCCTCACTCAGATTCAAATGG
TTCAAGAATGGGAACGAGCTGAACCGCAAAAATAAACCAGAAAACATCAAGATACAGAAGAAGCCAGGGA
AGTCAGAGCTTCGAATTAACAAAGCATCCCTGGCTGACTCTGGAGAGTATATGTGCAAAGTGATCAGCAA
GTTAGGAAATGACAGTGCCTCTGCCAATCACCATTGTTGAGTCAAACGAGTTCATCACTGGCATGCCA
GCCTCGACTGAGACAGCCTATGTGCTCAGAGTCTCCATTAGAATCTCAGTTTCAACAGAAGGCGCAA
ACACTTCTTCATCCACATCGACATCCACGACTGGGACCAGCCATCTCATAAAGTGCGCGGAGAAGGAGAA
AACTTTCTGTGTGAATGGGGCGAGTGCTTCACGGTGAAGGACCTGTCAAACCCGTCAAGATACTTGTGC
AAGTGCCCAAATGAGTTTACTGGTGATCGTTGCCAAAACACTACGTAATGGCCAGCTTCTACAGTACGTCCA
CTCCCTTCTGTCTCTGCCTGAG**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI
ACCN: NM_001271123
Insert Size: 726 bp



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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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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_001271123.1, NP_001258052.1</u>
RefSeq Size:	1412 bp
RefSeq ORF:	726 bp
Locus ID:	112400
UniProt ID:	<u>P43322</u>
Cytogenetics:	16q12.3
Gene Summary:	<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 (6) differs in the 5' UTR and coding sequence and the 3' UTR and coding sequence compared to variant 1. The resulting isoform (6) has shorter and distinct N- and C-termini compared to 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>