OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for RN217037

Nrg1 (NM_001271126) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nrg1 (NM_001271126) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Nrg1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin

View online »

Fully Sequenced ORF:

>RN217037 representing NM_001271126
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTCTGAGCGCAAAGAAGGCAGAGGCAAGGGGAAGGGCAAGAAGAAGGACCGGGGATCCCGCGGGAAGC
CCGGGCCCGCCGAGGGCGACCCGAGCCCAGCACTGCCTCCCAGATTGAAAGAAATGAAGAGCCAGGAGTC
AGCTGCAGGCTCCAAGCTAGTGCTCCGGTGCGAAACCAGCTCCGAGTACTCCTCACTCAGATTCAAATGG
TTCAAGAATGGGAACGAGCTGAACCGCAAAAATAAACCAGAAAACATCAAGATACAGAAGAAGCCAGGGA
AGTCAGAGCTTCGAATTAACAAAGCATCCCTGGCTGACTCTGGAGAGTATATGTGCAAAGTGATCAGCAA
GTTAGGAAATGACAGTGCCTCTGCCAACATCACCATTGTTGAGTCAAACGAGTTCATCACTGGCATGCCA
GCCTCGACTGAGACAGCCTATGTGTCCTCAGAGTCTCCCATTAGAATCTCAGTTTCAACAGAAGGCGCAA
ACACTTCTTCATCCACATCGACATCCACGACTGGGACCAGCCATCTCATAAAGTGCGCGGAGAAGGAGAA
AACTTTCTGTGTGAATGGGGGCGAGTGCTTCACGGTGAAGGACCTGTCAAACCCGTCAAGATACTTGTGC
AAGTGCCCAAATGAGTTTACTGGTGATCGTTGCCAAAACTACGTAATGGCCAGCTTCTACAAGCATCTTG
GGATTGAATTTATGGAAGCGGAGGAACTCTACCAGAAGAGGGTGCTGACAATTACTGGCATCTGTATCGC
CCTGCTGGTGGTCGGCATCATGTGTGTGGTGGCCTACTGCAAAACCAAGAAGCAGCGGCAGAAGCTTCAT
GATCGGCTTCGGCAGAGTCTTCGGTCAGAACGGAGCAACCTGGTGAACATAGCGAATGGGCCTCACCACC
CAAACCCACCGCCAGAGAACGTGCAGCTGGTGAATCAATACGTATCTAAAAACGTCATCTCCAGTGAGCA
TATTGTTGAGAGAGAAGTGGAGACTTCCTTTTCCACCAGTCATTACACTTCCACAGCCCATCACTCCACG
ACTGTCACCCAGACTCCTAGTCACAGCTGGAGTAATGGGCACACGGAGAGCATCATTTCAGAAAGCAACT
CCGTAATCATGATGTCTTCGGTAGAGAACAGCAGGCACAGCAGTCCCGCCGGGGGCCCACGAGGACGTCT
TCATGGCCTGGGAGGCCCTCGTGATAACAGCTTCCTCAGGCATGCCAGAGAAACCCCTGACTCCTACAGA
GACTCTCCTCATAGCGAAAGGTATGTATCAGCCATGACCACCCCGGCTCGTATGTCACCTGTAGATTTCC
ACACGCCAAGCTCCCCTAAATCGCCCCCTTCGGAAATGTCTCCACCCGTGTCCAGCATGACGGTGTCAAT
GCCCTCTGTGGCAGTCAGCCCCTTTGTGGAAGAAGAGAGGCCTCTGCTGCTTGTGACGCCACCAAGGCTA
CGGGAGAAGAAATATGATCATCACCCCCAGCAACTCAACTCCTTTCATCACAACCCTGCACATCAGAGTA
CCAGCCTCCCCCCTAGCCCACTGAGGATAGTGGAGGATGAGGAGTACGAGACGACCCAGGAGTATGAGTC
AGTTCAAGAGCCCGTTAAGAAAGTCACCAATAGCCGGCGGGCCAAAAGAACCAAGCCCAATGGCCACATT
GCCAATAGGTTGGAAATGGACAGCAACACAAGTTCTGTGAGCAGTAACTCAGAAAGTGAGACAGAAGACG
AAAGAGTAGGTGAAGACACACCATTCCTGGGCATACAGAACCCCCTGGCAGCCAGCCTTGAGGTGGCCCC
TGCCTTCCGTCTGGCTGAGAGCAGGACTAACCCAGCAGGCCGCTTCTCCACACAGGAGGAATTACAGGCC
AGGCTGTCTAGTGTAATCGCTAACCAAGACCCTATTGCTGTATAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001271126

Insert Size: 1935 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).

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:	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_001271126.1, NP_001258055.1
RefSeq Size:	3270 bp
RefSeq ORF:	1935 bp
Locus ID:	112400
Cytogenetics:	16q12.3
Gene Summary:	ligand for Erbb3 and Erbb4 receptors; gene produces many different alternative splicing isoforms; involved in neural and organ development [RGD, Feb 2006] Transcript Variant: This variant (9) differs in the 5' UTR and coding sequence compared to variant 1. The resulting isoform (9) has a shorter and distinct N-terminus 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.