

Product datasheet for **RR216632**

Nrg1 (NM_001271124) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Nrg1 (NM_001271124) Rat Tagged ORF Clone
 Tag: Myc-DDK
 Symbol: Nrg1
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Cell Selection: Neomycin
 ORF Nucleotide Sequence: >RR216632 representing NM_001271124
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTCTGAGCGCAAAGAAGGCAGAGGCAAGGGGAAGGGCAAGAAGAAGGACCGGGATCCCAGGGGAAGC
 CCGGGCCCGAGGGCGACCCGAGCCAGCAGCTGCCTCCAGATTGAAAGAAATGAAGAGCCAGGAGTC
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 ACATTCTTCATCCACATCGACATCCACGACTGGGACCAGCCATCTCATAAAGTGCAGGAGAAGGAGAA
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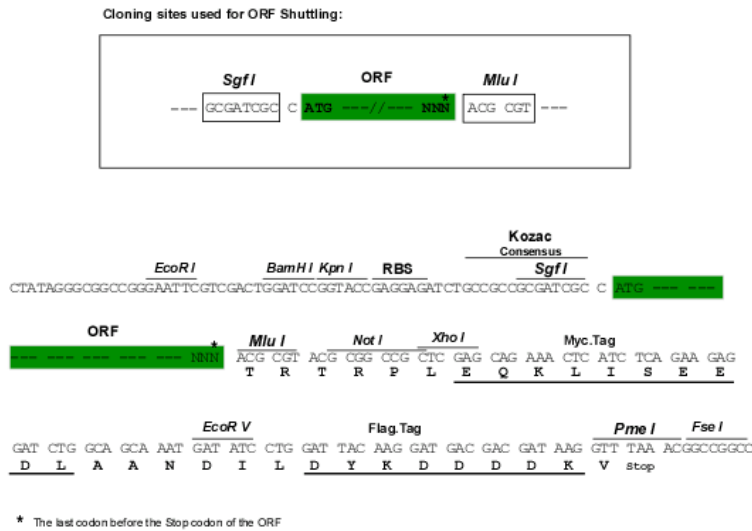
Protein Sequence: >RR216632 representing NM_001271124
 Red=Cloning site Green=Tags(s)

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 FKNGNELNRKNPENIKIQKKPGKSELINKASLADSGEYMCKVISKLGNDASANITIVESNEFITGMP
 ASTETAYVSSSPIRISVSTEGANTSSSTSTSTGTSHLIKCAEKETFCVNGGECFTVKDLSNPSRYLC
 KCQPGFTGARCTENVPMKVQTQEKAELYQKRVLTITGICIALLVVIMCVVAYCKTKKQRQLHDRLRQ
 SLRSERSNLVNIANGPHHPNPPENVQLVNQYVSKNVISSEHIVEREVETSFSTSHYTSTAHHSTTVTQT
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 ER

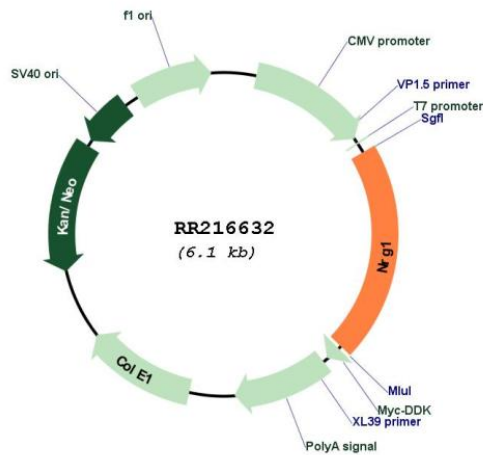
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:	NM_001271124
ORF Size:	1266 bp
OTI Disclaimer:	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
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	NM_001271124.1 , NP_001258053.1
RefSeq Size:	2165 bp
RefSeq ORF:	1269 bp
Locus ID:	112400
Cytogenetics:	16q12.3
MW:	46.3 kDa
Gene Summary:	ligand for Erbb3 and Erbb4 receptors; gene produces many different alternative splicing isoforms; involved in neural and organ development [RGD, Feb 2006]