

Product datasheet for **MC222244**

Nrg2 (NM_001167891) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nrg2 (NM_001167891) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Nrg2
Synonyms:	Don1; NTAK
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC222244 representing NM_001167891
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGCGGCAGGTTTGTGCTCAGCGCTGCCGCCCACTGGAGAAGGCTCGGTGCAGCAGCTACAGCTACA
 GTTACAGCGACAGCAGCAGCAGCACCAGCAGCAGCAGAAGCAGCAGCAGCAGCAGCAAAACAG
 CAGCAGCAGCAACAGCAGCAGCAGCAGCAGCAGCAGCAGCAACAGCAGCAGCAGCAGCATCTTCGTC
 GCTGCGCCCCAGAGCCGCGGCCGAGCCAGCCGAGCCCGCAGCCCGAGCCCGAGAGCCGCCG
 CCCGCTCGCAGCCGAGCCGCCGGCGGCATGAGGCGGACCCGGCCCCGGTCTCGATGCTGCTCTT
 CGGTGTGCTACTCGCTGCTACTCGCCAGCCTCAAGTCGGTGCAGGACCAGGCTACAAGGCCCGT
 GTGGTGGAGGCAAGGTACAGGGACTGGCCCCGCGAGGCGTTCCAGCTAACAGCACCCGAGAGCCG
 CCGCTCGGGTGGGTCGGTGAAGGTGCTGGACAAGTGGCCGCTCCGAGCGGGGGGCTGCAGCG
 CGAGCAGGTGATCAGCGTGGGCTCCTGTGCGCCGCTCGAAAGGAACCAGCGCTACATCTTTTTCTGGAG
 CCCACCGAGCAGCCCTAGTTTTAAGACAGCCTTTGCCCGGTCGACCCCTAACGGCAAAAACATCAAGA
 AAGAGGTGGCAAGATCCTGTGCTGACTGCGCCACCCGGCCCAAGCTGAAGAAGTGAAGAGCCAGAC
 AGGAGAGGTGGGTGAGAAGCAGTCGCTCAAGTGTGAGGCAGCGGGGAAACCCCGACCCCTCTATCGC
 TGGTTCAAGGATGGCAAGGAAGTCAACCGGAGTCGTGATATTCGATCAAGTATGGCAATGGCAGAAAGA
 ACTCACGGCTACAGTTCAACAAAGTGAAGGTGGAGGATGCCGGGGAGTACGTCTGTGAGGCCGAGA
 CATTGGGAAGGACACCGTGAAGGGCCGACTCCATGTCAACAGCGTGAGCACCACTCTGTCATCTGGT
 GGACATGCCCGGAAGTGAATGAGACCGCAAGTCTACTGTGTAATGGAGGCGTGTCTACTACATCG
 AGGCATCAACCAGCTCTCCTGCAAATGTCCAAACGGATTCTTTCGGACAGAGATGTTGGGAAAATGCC
 TTTGCGATTGTACATGCCAGATCCTAAGCAAAAGGCTGAGGAGCTGTACCAGAAGAGAGTGTGACAATT
 ACTGGTATCTGTGTGGCCCTGCTGGTGTGGGCATCGTCTGTGTGGTGGCTACTGCAAGACAAAAA
 AGAGGAGGCAGATGCATCATCTCCGGCAGAACATGTGCCAGCCACCAGAACCAGCCTGGCCAA
 CGGGCCAGCCACCCTCGGCTGGACCCTGAGGAGATCCAGATGGCAGATTACATCTCAAAAATGTGCCA
 GCTACAGACCACGTGATCCGGAGGGAAGCTGAGACCAGTCTCTGGAGCCACTCTGTTCACCTTCTC
 ACCACTGCTCCACAGCCACGCCACCTCCAGCCACAGACATGAGAGCCACACGTGGAGCCTGGAACGTT
 AGAGAGCCTGACCTCGGATTCACAGTCAGGCATCATGCTATCATCAGTAGGCACCAGCAAGTGAACAGC
 CCAGCATGTGTGGAGGCACGGGCGGGAGGCGAGCAGCCTACAGCCAGGAGGAGCGGCCAGGGCTGCCA
 TGCCACCCTACCATGACTCCATAGACTCGCTGCGTACTCTCCACACAGTGAAGGTACGTGTACGCTT
 GACCACGCCCCTCGCCTCTCGCCCGTGGACTTCCACTACTCGTGGCCACGCAGGTGCCGACTTTCGAG
 ATCACGTGCCCCAAGTCTGCGCATGCCGTGTGCTGCGCCCGCCCGCCGGGCGGGGTCGGGGCCGGAGCGGACAT
 AGCAGCAGCCGCTCCTGCGGCATCCAGCGCCGCGGCCGCGGGGTCGGGGCCGGAGCGGACAT
 GCAGCGCAGCTACGACAGCTACTACTACCCTGCGGCGGGGCGGGGCGGCGCAGCGCCTGCGCGCTG
 GGAGGCAGCTTGGGCGAGCTGCCCGCAGCCCCCTCCGCATCCCGGAGGACGACGAGTACGAGACCACGC
 AGGAGTGGCGCCCCGCGCGCCGCGGCCGCGCACGCGCGGCGCTCCCGCAGGACGTGGCGGGGCC
 GCGGCGCTGGCGGCGCTCCCGGCTCAACGGGTTGGCGGCGCAGCGCGCACGCGCGGCGGGGACTCGTG
 TCATTGAGCAGCGGTTCCGGCTGCGGCTCGGCCTCGGCTCGGACGACGCGGACGAGCGGAGCGGGG
 CGCTGGCGGCGAGAGCACGCCATTCTCGGCCTGCGAGCGGCGCACGACGCGTTCGCTCGGACTCGCC
 GCCGCTGTCCCCGCGGCCGACAGCAGGACTTACTACTCCCTGGACAGCCACAGCACGCGGCCAGCAG
 AGACACAGCCGGGGCCGCCACAGGGCCAAGCAGGACTCGGGGCCCTCTAA

AGCGGACCGACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGA TAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja1174_e12.zip

Restriction Sites: SgfI-RsrII

ACCN: NM_001167891

Insert Size:	2574 bp
OTI Disclaimer:	<p>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 or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p>
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_001167891.1 , NP_001161363.1
RefSeq Size:	2839 bp
RefSeq ORF:	2574 bp
Locus ID:	100042150
Cytogenetics:	18 19.38 cM