

Product datasheet for **MC220994**

Nrg3 (NM_008734) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nrg3 (NM_008734) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Nrg3
Synonyms:	ska
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC220994 representing NM_008734
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGTGAAGGGGCGCCGGTGCCTCGCCACCTGGTGCCGCTTCGGCAGCCGCCCTCAGCCGAGGAGG
 GCACCGCGCGGCTGCGGCGGGCGGGCGGGCGGGGCGCCGGACGGCGGCGGAGAAGGGGCGGCCGA
 ACCTCCCCGGGAGTTACGCTGTAGCGACTGCATCGTGTGGAACCGGCAGCAGACGTGTTGTGCGTGGTG
 CCTCTGTTTCATCGGCTTCATCGGCTGGGGCTCAGCCTCATGCTGCTTAAATGGATCGTGGTAGGCTCCG
 TCAAGGAGTACGTGCCACGGACCTGGTGGACTCCAAGGGAATGGGCCAGGACCCCTTCTCCTCTCCAA
 GCCCAGCTCTTTCCCAAGGCTATGAAACCACCACAACAACCACTTCTACCACGTCCCCGCCACCCCC
 TCTGCCGGCGGCCGCTTCTCCAGGACGCCTAACCGGATTAGCACCCGCTTGACCACCATCACACGGG
 CACCCACCCGCTTCCCTGGGACCGGGTCCCATCCGGGCTAGCCCGGCTTACCACAGCACGGAACAC
 TGCTGCCCTCCGACGGTCTGTCCACCACGGCCCTTTCTTTCAGTAGCAGCACGCCGGCTCCGACCC
 CCGATGCCAGGAGCCCCAGTACGCAGGCGATGCCTTCTTGCCCACTGCGGCGTATGCTACCTCCTCCT
 ACCTCCACGATCCACTCCCTCCTGGACCTGTACCCCTTTCAGGATGCTGCTGCCGCTCTTCTCCTCCT
 ACCCTCTTCCACCTCCTCCACTACCACCACCCAGAACTAGCACCAGCCCCAAATTTTCATACTACAACA
 TACTCCACTGAACGATCTGAGCACTTCAAACCTGTGCGAGACAAGGACCTGGCGTATTGTCTCAATGATG
 GTGAATGCTTTGTGATTGAGACCTGACAGGATCCCATAGCACTGTGCGTGCAAGGAAGGCTACCAAGG
 AGTCCGTTGTGATCAATTTCTGCCGAAAACAGACTCCATCTTATCGGATCCAACAGACCCTTGGGGATT
 GAATTCATGGAGAGTGAAGACGTTTATCAAAGGCAGGTGCTGTCAATTTTCATGTATCATCTTTGGAATTG
 CACTCGTGGGCATGTTCTGTGCAGCATTCTACTTCAAAGCAAGAAACAAGCTAAACAAATTCAGGAGCA
 CCTGAAAGAGTACAGAATGGGAAGAAGTACAGCCTCAAGGCATCCAGCACAAAGTCTGAGAGCTTGATG
 AAGAGCCATGTCCATCTACAAAATTATTCAAAGCGGATAGGCATCCTGTGACTGCGCTGGAGAAAATAA
 TGGAGTCAAGTTTTTCAGCTCCCGAGTCTTCCAGAAGTCACTTCTCCTGACCGAGGAAGCCAGCCTAT
 CAAGCACACAGCCAGGACAAAGGAGTGGGATGTTGCATAGGAATACTTTCAGAAGGCCACCACCTCA
 CCCCAGTTCGACTGGGTGGTATTGTAGGACCAGCATATCAACAAGTGAAGAATCAAGAATTCAGACC
 AGGATACGATACCTTCCCAAGGGATAGAGGTGAGGAAGACTATATCCACCTGCCTATACAGCTGTGGTG
 TGTTGAAAGACCCCTGGACTTAAAGTATGTGTCCAATGGCTTAAAGACCAACAAATGCATCAATAAAT
 ATGCAACTGCCTTCAAGAGAGACAAACCCCTATTTTAATAGCTTGGATCAAAGGACCTGGTGGGTATT
 TATCCCCAAGGGCAATTCGTGCCATCATCCGTCGATGGGTCTAGAAGAACCTGCATGCAAAATGCC
 AGGGATTTCTGACGTCAAAGCATTAAATGGTGCAAAAACCTCCTACTCCGCTGACATTGTCAACCGGAGT
 ATGCCAGTCAGTATTGCTTCTAGAAGAACAACAGGAAGTAAAATATTACTAGAGACTGTGCAGGAAC
 AGATCCGATTCTGACTGATGCCAGACGGTCAGAAGACTTCGAACTGGCCAGCATGGAACTGAGGACAG
 TGCGAGCGAAAACACAGCCTTTCTCCCCCTGAGTCCCACGGCCAAATCAGAACGAGAGGCACAATTTGTC
 TTAAGAAATGAAATACAAAGAGACTCTGTGCTAACCAAG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_008734

Insert Size: 2142 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).

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_008734.3</u> , <u>NP_032760.1</u>
RefSeq Size:	4012 bp
RefSeq ORF:	2142 bp
Locus ID:	18183
UniProt ID:	<u>O35181</u>
Cytogenetics:	14 B
Gene Summary:	<p>Direct ligand for the ERBB4 tyrosine kinase receptor. Binding results in ligand-stimulated tyrosine phosphorylation and activation of the receptor. Does not bind to the EGF receptor, ERBB2 or ERBB3 receptors.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1). Sequence Note: This RefSeq record was created from genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>