

Product datasheet for **MC220995**

Nrg3 (NM_001190187) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nrg3 (NM_001190187) 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: >MC220995 representing NM_001190187
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAGTGAAGGGGCGCCGGTGCCTCGCCACCTGGTGCCGCTTCGGCAGCCGCCCTCAGCCGAGGAGG
 GCACCGCGCGGCTGCGGCGGGCGGGCGGGCGGGGCGCCGGACGGCGGCGGAGAAGGGGCGGCCGA
 ACCTCCCCGGGAGTTACGCTGTAGCGACTGCATCGTGTGGAACCGGCAGCAGACGTGTTGTGCGTGTTG
 CCTCTGTTTCATCGGCTTCATCGGCTGGGGCTCAGCCTCATGCTGCTTAAATGGATCGTGGTAGGCTCCG
 TCAAGGAGTACGTGCCACGGACCTGGTGGACTCCAAGGGAATGGGCCAGGACCCCTTCTCCTCTCAA
 GCCCAGCTCTTTCCCAAGGCTATGAAACCACCACAACAACCACTTCTACCACGTCGCCCGCCACCCCC
 TCTGCCGCGGCGCCGCTTCTCCAGGACGCCTAACCGGATTAGCACCCGCTTGACCACCATCACACGGG
 CACCCACCCGCTTCCCTGGGACCGGGTCCCATCCGGGCTAGCCCGCGCTTACCACAGCACGGAACAC
 TGCTGCCCTCCGACGGTCTGTCCACCACGGCCCTTTCTTTCAGTAGCAGCAGCCCGGCTCCCGACCC
 CCGATGCCAGGAGCCCCAGTACGCAGGCGATGCCTTCTTGCCCACTGCGGCGTATGCTACCTCCTCCT
 ACCTCCACGATCCACTCCCTCCTGGACCCTGTACCCTTTCAGGATGCTGCTGCCGCTCTTCTCCTCCT
 ACCCTCTTCCACCTCCTCCACTACCACCACCCAGAACTAGCACCAGCCCAAATTTTACTACTACAACA
 TACTCCACTGAACGATCTGAGCACTTCAAACCTGTGCGAGACAAGGACCTGGCGTATTGTCTCAATGATG
 GTGAATGCTTTGTGATTGAGACCTGACAGGATCCCATAGCACTGTGCGTGCAAGGAAGGCTACCAAGG
 AGTCCGTTGTGATCAATTTCTGCCGAAAACAGACTCCATCTTATCGGATCCAAACCACTTGGGGATTGAA
 TTCATGGAGAGTGAAGACGTTTATCAAAGGCAGGTGCTGTCAATTCATGTATCATCTTTGGAATTGCA
 TCGTGGGATGTTCTGTGCAGACTTCTACTTCAAAGCAAGAAACAAGCTAAACAATTCAGGAGCACCT
 GAAAGAGTCACAGAATGGGAAGAACTACAGCCTCAAGGCATCCAGCACAAAGTCTGAGAGCTTGATGAAG
 AGCCATGTCCATCTACAAAATTATTCAAAGGCGGATAGGCATCCTGTGACTGCGCTGGAGAAAATATGG
 AGTCAAGTTTTTTCAGCTCCCCAGTGGTCCCAGAGTCACTTCTCCTGACCGAGGAAGCCAGCCTATCAA
 GCACCACAGCCAGGACAAAGGAGTGGGATGTTGCATAGGAATACTTTCAGAAGGACACCACCTCACCC
 CGAAGTCGACTGGGTGGTATTGTAGGACCAGCATATCAACAACCTGAAGAATCAAGAATTCAGACCAGG
 ATACGATACCTTGCCAAGGATAGAGGTCAGGAAGACTATATCCACCTGCCTATACAGCTGTGGTGTGT
 TGAAGACCCCTGGACTTAAAGTATGTCCAATGGCTTAAAGACCAACAAAATGCATCAATAAATATG
 CAACTGCCTTCAAGAGAGACAAACCCCTATTTTAAATAGCTTGGATCAAAGGACCTGGTGGTTATTTAT
 CCCAAGGGCCAATTCTGTGCCATCATCCCGTGCATGGGTCTAGAAGAACTGCATGCAATGCCAGG
 GATTTCTGACGTCAAAGCATTAAATGGTGCAAAAACCTACTCCGCTGACATTGTCAACGCGAGTATG
 CCAGTCAGTGATTGTCTTCTAGAAGAACAACAGGAAGTAAAAATTAATACTAGAGACTGTGCAGGAACAGA
 TCCGGATTCTGACTGATGCCAGACGGTCAGAAGACTTCGAACTGGCCAGCATGGAACCTGAGGACAGTGC
 GAGCGAAAACACAGCCTTTCTCCCCCTGAGTCCCACGGCCAAATCAGAACGAGAGGCACAATTTGTCTTA
 AGAAATGAAATACAAAGAGACTCTGTGCTAACCAAGTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001190187
Insert Size: 2139 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_001190187.1, NP_001177116.1</u>
RefSeq Size:	4009 bp
RefSeq ORF:	2139 bp
Locus ID:	18183
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 (2) uses an alternate in-frame splice site in the coding region, compared to variant 1. This results in a shorter protein (isoform 2), compared to isoform 1.</p> <p>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>