

Product datasheet for **MC220573**

Nrg3 (NM_001190188) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nrg3 (NM_001190188) 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: >MC220573 representing NM_001190188
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGTGAAGGGCGGCCGGTGCCTCGCCACCTGGTGCCGCTTCGGCAGCCGCCCTCAGCCGAGGAGG
 GCACCGCGCGGCTGCGCGGCGCGCGGCGGGCGGGCCCGACGGCGCGGAGAAGGGCGGCCGA
 ACCTCCCCGGGAGTTACGCTGTAGCGACTGCATCGTGTGGAACCGGCAGCAGACGTGTTGTGCGTGGT
 CCTCTGTTTCATCGGCTTCATCGGCTGGGGCTCAGCCTCATGCTGCTTAAATGGATCGTGGTAGGCTCCG
 TCAAGGAGTACGTGCCACGGACCTGGTGGACTCCAAGGGAATGGGCCAGGACCCCTTCTCCTCTCAA
 GCCAGCTCTTTCCCAAGGCTATGAAACCACCACAACAACCACTTCTACCACGTCCTCCCGCCACCCCC
 TCTGCCGGCGGCCGCTTCTCCAGGACGCTAACCGGATTAGCACCCGCTTGACCACCATCACACGGG
 CACCCACCGCTTCCCTGGGACCGGGTCCCATCCGGGCTAGCCCGCTTACCACAGCACGGAACAC
 TGCTGCCCTCCGACGGTCTGTCCACCACGGCCCTTTCTTTCAGTAGCAGCAGCCCGGCTCCGACCC
 CGATGCCAGGAGCCCCAGTACGACGGCGATGCCTTCTTGCCCACTGCGGCGTATGCTACCTCCTCT
 ACCTCCACGATCCACTCCCTCCTGACCTGTACCCCTTTCAGGATGCTGCTGCCGCTCTTCTCCTCCT
 ACCCTCTTCCACCTCCTCCACTACCACCACCCAGAACTAGCACCCAGCCCAAATTTTACTACTACAACA
 TACTCCACTGAACGATCTGAGCACTTCAAACCTGTGCGAGACAAGGACCTGGCGTATTGTCTCAATGATG
 GTGAATGCTTTGTGATTGAGACCCTGACAGGATCCCATAAAGCACTGTGCGTGAAGGAAGGCTACCAAGG
 AGTCCGTTGTGATCAATTTCTGCCGAAAACAGACTCCATCTTATCGGATCCAACAGACCACTTGGGGATT
 GAATTCATGGAGAGTGAAGACGTTTATCAAAGGCAGGTGCTGTCAATTTTCATGTATCATCTTTGGAATTG
 TCATCGTGGGCATGTTCTGTGCAGCATTCTACTTCAAAGCAAGAAACAAGCTAAACAAATTCAGGAGCA
 CCTGAAAGAGTACAGAATGGGAAGAAGTACAGCCTCAAGGCATCCAGCACAAAGTCTGAGAGCTTGATG
 AAGAGCCATGTCCATCTACAAAATTATTCAAAGCGGATAGGCATCCTGTGACTGCGCTGGAGAAAATAA
 TGGAGTCAAGTTTTTCAGCTCCCGAGTCTTCCAGAAGTCACTTCTCCTGACCGAGGAAGCCAGCCTAT
 CAAGCACACAGCAGAAGTATTTCTTGTGTCAGCCAGGACAAGGAGTGGGATGTTGCATAGGAAT
 ACTTTCAGAAGGGCACCCCTCACCCGAAGTCGACTGGGTGGTATTGTAGGACCAGCATATCAACAAC
 TTGAAGAATCAAGAATCCAGACCAGGATACGATACCTTGCCAAGGGTATGTGTCCAATGGCTTAAGAAC
 CCAACAAAATGCATCAATAAATATGCAACTGCCTTCAAGAGAGACAAACCCTATTTTAATAGCTTGGAT
 CAAAAGGACCTGGTGGGTTATTTATCCCAAGGGCCAATTCTGTGCCATCATCCGTCGATGGGTCTAG
 AAGAACTGTCATGCAAATGCCAGGATTTCTGACGTCAAAGCATTAAATGGTGCAAAAACCTACTC
 CGCTGACATTGTCAACCGAGTATGCCAGTCAGTGATTGTCTTCTAGAAGAACAACAGGAAGTAAAATA
 TTACTAGAGACTGTGAGGAACAGATCCGGATTCTGACTGATGCCAGACGGTCAGAAGACTTCGAACTGG
 CCAGCATGGAACTGAGGACAGTGCAGCGAAAACACAGCCTTTCTCCCTGAGTCCCACGGCCAAATC
 AGAACGAGAGGCACAATTTGTCTTAAGAAATGAAATACAAAGAGACTCTGTGCTAACCAAG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001190188
- Insert Size:** 2094 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:

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_001190188.1](#), [NP_001177117.1](#)

RefSeq Size: 3964 bp

RefSeq ORF: 2094 bp

Locus ID: 18183

Cytogenetics: 14 B

Gene Summary: 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]
Transcript Variant: This variant (3) uses an alternate in-frame splice site and lacks an in-frame exon in the 3' coding region, compared to variant 1. This results in a shorter protein (isoform 3), compared to 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.