

## Product datasheet for **RC220353**

### NRG1 (NM\_004495) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	NRG1 (NM_004495) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	NRG1
Synonyms:	ARIA; GGF; GGF2; HGL; HRG; HRG1; HRGA; MST131; MSTP131; NDF; NRG1-IT2; SMDF
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC220353 representing NM_004495 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTCCGAGCGCAAAGAAGGCAGAGGCAAAGGGAAGGGCAAGAAGAAGGAGCGAGGCTCCGGCAAGAAGC  
CGGAGTCCGCGGGCGGCAGCCAGAGCCCAGCCTTGCTCCCCGATTGAAAGAGATGAAAAGCCAGGAATC  
GGCTGCAGGTTCCAACTAGTCCTTCGGTGTGAAACCAGTTCTGAATACTCCTCTCAGATTCAAGTGG  
TTCAAGAATGGGAATGAATTGAATCGAAAAACAACCACAAAATATCAAGATACAAAAAAGCCAGGGA  
AGTCAGAACTTCGCATTAACAAAGCATCACTGGCTGATTCTGGAGAGTATATGTGCAAAGTGATCAGCAA  
ATTAGGAAATGACAGTGCCTCTGCAATATCACCATCGTGAATCAAACGAGATCATCACTGGTATGCCA  
GCCTCAACTGAAGGAGCATATGTGTCTTCAGAGTCTCCATTAGAATATCAGTATCCACAGAAGGAGCAA  
ATACTTCTTACATCTACATCTACATCCACCACTGGGACAAGCCATCTTGTAAAATGTGCGGAGAAGGAGAA  
AACTTTCTGTGTGAATGGAGGGGAGTGCTTCATGGTGAAAGACCTTTCAAACCCCTCGAGATACTTGTGC  
AAG

**ACGCGT**ACGCGGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**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\\_004495.4](#)

**RefSeq Size:** 1694 bp

**RefSeq ORF:** 636 bp

**Locus ID:** 3084

**Cytogenetics:** 8p12

**Domains:** ig, IGc2, IG

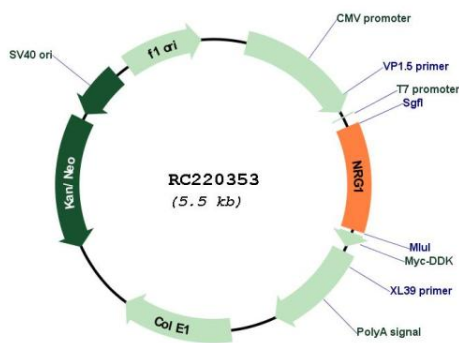
**Protein Families:** Druggable Genome, Secreted Protein, Transcription Factors, Transmembrane

**Protein Pathways:** ErbB signaling pathway

**MW:** 22.8 kDa

**Gene Summary:** The protein encoded by this gene is a membrane glycoprotein that mediates cell-cell signaling and plays a critical role in the growth and development of multiple organ systems. An extraordinary variety of different isoforms are produced from this gene through alternative promoter usage and splicing. These isoforms are expressed in a tissue-specific manner and differ significantly in their structure, and are classified as types I, II, III, IV, V and VI. Dysregulation of this gene has been linked to diseases such as cancer, schizophrenia, and bipolar disorder (BPD). [provided by RefSeq, Apr 2016]

### Product images:



Circular map for RC220353