

## Product datasheet for **RC228479**

### **NRG1 (NM\_001160001) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	NRG1 (NM_001160001) 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)



[View online »](#)

**ORF Nucleotide Sequence:**

>RC228479 representing NM\_001160001  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGGAAAGGACGCGCGGGCCGAGTTGGCACCACAGCCTTGCCCTCCCGATTGAAAGAGATGAAAAGCC  
 AGGAATCGGCTGCAGGTTCCAACTAGTCTTCGGTGTGAAACCAGTTCTGAATACTCCTCTCAGATT  
 CAAGTGGTTCAAGAATGGGAATGAATTGAATCGAAAAACAAACCACAAAATATCAAGATACAAAAAAG  
 CCAGGGAAGTCAGAACTTCGCATTAACAAAGCATCACTGGCTGATTCTGGAGAGTATATGTGCAAAGTGA  
 TCAGCAAATTAGGAAATGACAGTGCCTCTGCCAATACCCATCGTGAATCAAACGCTACATCTACATC  
 CACCACTGGGACAAGCCATCTTGTAAAAATGTGCGGAGAAGGAGAAAACTTCTGTGTGAATGGAGGGGAG  
 TGCTTCATGGTGAAGACCTTTCAAACCCCTCGAGATACTTGTCAAGTGCCCAATGAGTTTACTGGTG  
 ATCGCTGCCAAAACACGTAATGGCCAGCTTCTACAAGCATCTTGGGATTGAATTTATGGAGGCGGAGGA  
 GCTGTACCAGAAGAGAGTGTGACCATAACCGGCATCTGCATCGCCCTCCTTGTGGTCCGCATCATGTGT  
 GTGGTGGCTACTGCAAAACCAAGAAACAGCGGAAAAAGCTGCATGACCGTCTTCGGCAGAGCCTTCGGT  
 CTGAACGAAACAATATGATGAACATTGCCAATGGGCCTCACCATCCTAACCCACCCCCGAGAATGTCCA  
 GCTGGTGAATCAATACGTATCTAAAAACGTCATCTCCAGTGAGCATATTGTTGAGAGAGAAGCAGAGACA  
 TCCTTTTCCACCACTACTATACTTCCACAGCCCATCACTCCACTACTGTACCCAGACTCCTAGCCACA  
 GCTGGAGCAACGGACACACTGAAAGCATCTTTCCGAAAGCCACTCTGTAATCGTGATGCATCCGTAGA  
 AAACAGTAGGCACAGCAGCCAACTGGGGGCCAAGAGGACGCTTAAATGGCACAGGAGGCCCTCGTGAA  
 TGTAACAGCTTCTCAGGCATGCCAGAGAAAACCCCTGATTCCTACCGAGACTCTCCTCATAGTAAAGGT  
 ATGTGTACGCCATGACCACCCCGCTCGTATGTCACCTGTAGATTTCCACACGCCAAAGCTCCCCAAATC  
 GCCCCTTCGGAATGTCTCCACCCGTGTCAGCATGACGGTGTCCATGCCTTCCATGGCGTCCAGCCCC  
 TTCATGGAAGAAGAGAGACCTCTACTTCTCGTGACACCACCAAGGCTGCGGGAGAAGAAGTTTGACCATC  
 ACCCTCAGCAGTTCAGCTCCTTCCACCACAACCCCGCGCATGACAGTAACAGCCTCCCTGCTAGCCCTT  
 GAGGATAGTGGAGGATGAGGAGTATGAAACGACCCAAGAGTACGAGCCAGCCCAAGAGCCTGTTAAGAAA  
 CTCGCCAATAGCCGGCGGGCCAAAAGAACCAAGCCCAATGGCCACATTGCTAACAGATTGGAAGTGGACA  
 GCAACACAAGCTCCAGAGCAGTAACTCAGAGAGTGAACAGAAGATGAAAGAGTAGGTGAAGATACGCC  
 TTTCTGGGCATACAGAACCCCTGGCAGCCAGTCTTGAGGCAACACCTGCCTTCCGCTGGCTGACAGC  
 AGGACTAACCCAGCAGGCCGCTTCTCGACACAGGAAGAAATCCAGGCCAGGCTGTCTAGTGAATTGCTA  
 ACCAAGACCCATTGCTGTA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC228479 representing NM\_001160001  
 Red=Cloning site Green=Tags(s)

MGKGRAGRVGTTALPPRLKEMKQSQAAGSKLVLRCESSSEYSSLRFKWFKNGNELNRKNKPNQNIKIQKK  
 PGKSELRINKASLADSGEYMCKVISKLGNDASANITIVESNATSTSTTGTSHLVKCAEKEKTFVNGGE  
 CFMVKDLNPSRYLCKCPNEFTGDRQNYVMASFYKHLGIEFMEAEELYQKRVLTITGICIALLVGIMC  
 VVAYCKTKKQRKLDRLRQSLRSENNMMNIANGPHHPNPPENQVLNQYVSKNVISSSEHIVEREAET  
 SFSTSHYTSTAHSTTVQTPSHSWSNGHTESILSESHSVIVMSSVENSRRHSSPTGGPRGRLNGTGGPRE  
 CNSFLRHARETPDSYRDSPHSERVVSAMTTPARMSPVDFHTPSSPKSPPSEMSPPVSSMTVSMPSMAVSP  
 FMEEERPLLLVTPPRLREKKFDHHPQQFSSFHHPAHDNSLPA SPLRIVEDEEYETTQYEPAQEPVKK  
 LANSRRAKRTKPNGHIANRLEVDSENTSSQSSNSESETEDERVGEDTPFLGIQNPLAASLEATPAFRLADS  
 RTNPAGRFSTQEEIQARLSSVIANQDPIAV

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mk8068\\_g05.zip](https://cdn.origene.com/chromatograms/mk8068_g05.zip)



**Cytogenetics:** 8p12

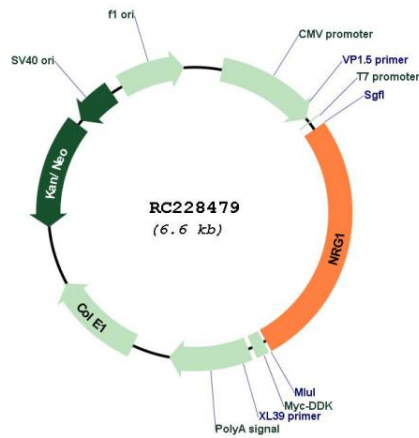
**Protein Families:** Druggable Genome, Secreted Protein, Transcription Factors, Transmembrane

**Protein Pathways:** ErbB signaling pathway

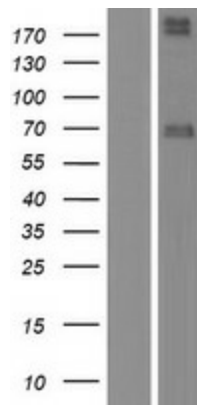
**MW:** 65.3 kDa

**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 RC228479



Western blot validation of overexpression lysate (Cat# [LY431507]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC228479 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).