

Product datasheet for **RG228335**

NRG1 (NM_001160008) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NRG1 (NM_001160008) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	NRG1
Synonyms:	ARIA; GGF; GGF2; HGL; HRG; HRG1; HRGA; MST131; MSTP131; NDF; NRG1-IT2; SMDF
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG228335 representing NM_001160008 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCGAGCGCAAAGAAGGCAGAGGCCAAAGGGAAGGGCAAGAAGAAGGAGCGAGGCTCCGGCAAGAAGC
CGGAGTCCGCGGGCAGCCAGAGCCAGCCTTGCTCCCCGATTGAAAGAGATGAAAAGCCAGGAATC
GGCTGCAGGTTCCAACTAGTCTTCGGTGTGAAACCAGTTCTGAATACTCCTCTCAGATTCAAGTGG
TTCAAGAATGGGAATGAATTGAATCGAAAAACAACCACAAAATATCAAGATACAAAAAAGCCAGGGA
AGTCAGAACTTCGCATTAACAAAGCATCACTGGCTGATTCTGGAGAGTATATGTGCAAAGTGATCAGCAA
ATTAGGAAATGACAGTGCCTCTGCCAATATCACCATCGTGAATCAAACGAGATCATCACTGGTATGCCA
GCCTCAACTGAAGGAGCATATGTGTCTTCAGAGTCTCCATTAGAATATCAGTATCCACAGAAGGAGCAA
ATACTTCTTACATCTACATCTACATCCACCACTGGGACAAGCCATCTTGTAATGTGCGGAGAAGGAGAA
AACTTTCTGTGTGAATGGAGGGGAGTGCTTCATGGTGAAGACCTTTCAAACCCCTCGAGATACTTGTGC
AAGTGCCAAATGAGTTTACTGGTGATCGCTGCCAAAACACGTAATGGCCAGCTTCTACAAGGCGGAGG
AGCTGTACCAGAAGAGAGTGCTGACCATAACCGGCATCTGCATCGCCCTCCTTGTGGTCCGCATCATGTG
TGTGGTGGCCTACTGCAAAACCAAGAAACAGCGGAAAAAGCTGCATGACCGTCTTCGGCAGAGCCTTCGG
TCTGAACGAAACAATATGATGAACATTGCCAATGGGCCTCACCATCCTAACCCACCCCGAGAATGTCC
AGCTGGTGAATCAATACGTATCTAAAAACGTATCTCCAGTGAATATTGTTGAGAGAGAAGCAGAGAC
ATCCTTTTCCACCACTACTATACTTCCACAGCCCATCACTCCACTACTGTCACCCAGACTCCTAGCCAC
AGCTGGAGCAACGGACACTGAAAGCATCCTTTCCGAAAGCCACTCTGTAATCGTGATGTCATCCGTAG
AAAACAGTAGGCACAGCAGCCCAACTGGGGCCCAAGAGGACGTCTTAATGGCACAGGAGGCCCTCGTGA
ATGTAACAGTTCCTCAGGCATGCCAGAGAAACCCTGATTCTACCGAGACTCTCCTCATAGTAAAGG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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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_001160008.2](#)

RefSeq Size: 2377 bp

RefSeq ORF: 1263 bp

Locus ID: 3084

UniProt ID: [Q02297](#)

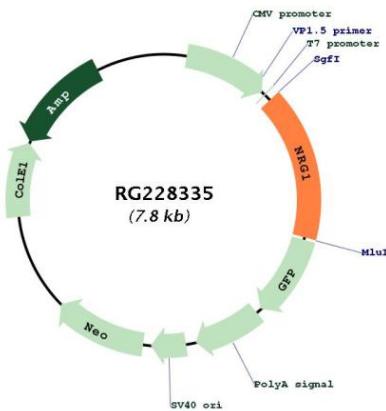
Cytogenetics: 8p12

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

Protein Pathways: ErbB signaling pathway

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 RG228335