

Product datasheet for **RC224945**

NRG1 (NM_013958) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NRG1 (NM_013958) 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:	>RC224945 representing NM_013958 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCCGAGCGCAAAGAAGGCAGAGGCCAAAGGGAAGGGCAAGAAGAAGGAGCGAGGCTCCGGCAAGAAGC
CGGAGTCCGCGGGCGGCAGCCAGAGCCCAGCCTTGCTCCCAATTGAAAGAGATGAAAAGCCAGGAATC
GGCTGCAGGTTCCAACTAGTCCTTCGGTGTGAAACCAGTTCTGAATACTCCTCTCTCAGATTCAAGTGG
TTCAAGAATGGGAATGAATTGAATCGAAAAACAACCACAAAATATCAAGATACAAAAAAGCCAGGGA
AGTCAGAACTTCGCATTAACAAAGCATCACTGGCTGATTCTGGAGAGTATATGTGCAAAGTGATCAGCAA
ATTAGGAAATGACAGTGCCTCTGCAATATCACCATCGTGAATCAAACGAGATCATCACTGGTATGCCA
GCCTCAACTGAAGGAGCATATGTGTCTTCAGAGTCTCCATTAGAATATCAGTATCCACAGAAGGAGCAA
ATACTTCTTACATCTACATCTACATCCACCACTGGGACAAGCCATCTTGTAAAATGTGCGGAGAAGGAGAA
AACTTTCTGTGTGAATGGAGGGGAGTGCTTCATGGTGAAGACCTTTCAAACCCCTCGAGATACTTGTGC
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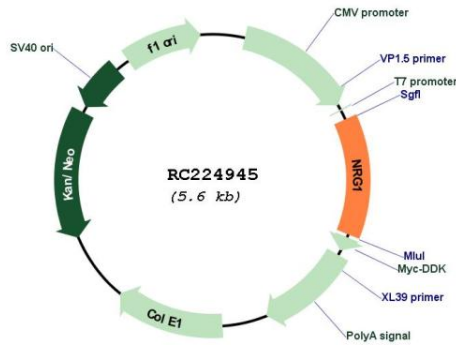
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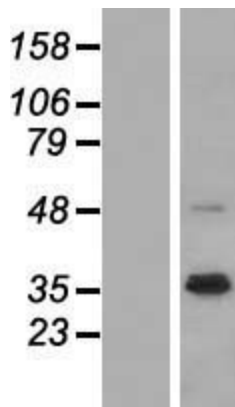
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Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. 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_013958.1, NP_039252.1</u>
RefSeq Size:	1715 bp
RefSeq ORF:	726 bp
Locus ID:	3084
UniProt ID:	<u>Q02297</u>
Cytogenetics:	8p12
Protein Families:	Druggable Genome, Secreted Protein, Transcription Factors, Transmembrane
Protein Pathways:	ErbB signaling pathway
MW:	26 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 RC224945



Western blot validation of overexpression lysate (Cat# [LY415555]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC224945 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).