

Product datasheet for **SC310082**

NRG2 (NM_004883) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NRG2 (NM_004883) Human Untagged Clone
Tag:	Tag Free
Symbol:	NRG2
Synonyms:	DON1; HRG2; NTAK
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

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>OriGene ORF sequence for NM_004883 edited
ATGCGGCAGGTTTGTCTGCTCAGCGCTGCCGCCGCCACTGGAGAAGGGTCGGTGCAGC
AGCTACAGCGACAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGC
AGCGAGAGCGGCAGCAGCAGCAGCAGCAGCAGCAGCAACAACAGCAGCATCTCTGTCCCCT
GCGCCCCAGAGCCGCGGCCAGCAACAGCCGAGCCCCGAGCCCCGAGCCCCGGAGA
GCCGCCGCCGTTCCGCGAGCCGAGCCGCCGGCCATGAGGCGGACCCGGCCCCGGC
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CAGGACCAGGCGTACAAGGCACCCGTGGTGGTGGAGGGCAAGGTACAGGGGCTGGTCCCA
GCCGGCGGCTCCAGTCCAACAGCACCCGAGAGCCGCCGCCCTCGGGTGGGTGGCGTTG
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CTAAGAAAGAGGTGGCAAGATCCTGTGCACTGACTGCGCCACCCGGCCCAAGTTGAAG
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CCGCCCCCGGGCCAAGCAGGACTCGGCGCCACTCTAG
    
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RefSeq:	NM_004883.1 , NP_004874.1
RefSeq Size:	3020 bp
RefSeq ORF:	2553 bp
Locus ID:	9542
UniProt ID:	O14511
Cytogenetics:	5q31.2
Domains:	Neuregulin, ig, IGc2, IG, EGF
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	ErbB signaling pathway
Gene Summary:	<p>This gene encodes a novel member of the neuregulin family of growth and differentiation factors. Through interaction with the ERBB family of receptors, this protein induces the growth and differentiation of epithelial, neuronal, glial, and other types of cells. The gene consists of 12 exons and the genomic structure is similar to that of neuregulin 1, another member of the neuregulin family of ligands. The products of these genes mediate distinct biological processes by acting at different sites in tissues and eliciting different biological responses in cells. This gene is located close to the region for demyelinating Charcot-Marie-Tooth disease locus, but is not responsible for this disease. Alternative transcript variants encoding distinct isoforms have been described. [provided by RefSeq, May 2010]</p> <p>Transcript Variant: This variant (1) encodes isoform 1, which is also known as isoform alpha or alpha2. This variant is supported by data in PMID:10369162. Sequence Note: This RefSeq record was created from transcript and 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.</p>