

Product datasheet for **RG204777**

NRG4 (NM_138573) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: NRG4 (NM_138573) Human Tagged ORF Clone

Tag: TurboGFP

Symbol: NRG4

Synonyms: HRG4

Mammalian Cell Selection: Neomycin

Vector: pCMV6-AC-GFP (PS100010)

E. coli Selection: Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG204777 representing NM_138573
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCAACAGATCACGAAGAGCCCTGTGGTCCCAGTCACAAGTCGTTTTGCCTGAATGGGGGCTTTGTT
ATGTGATACCTACTATCCCAGCCATTTTGTAGGTGCGTTGAAAATAACAGGAGCTCGTTGTGAAGA
GGTTTTCTCCCAGGCTCCAGCATCCAACTAAAAGTAACCTGTTTGAAGCTTTTGTGGCATTGGCGGTC
CTAGTAACACTTATCATTGGAGCCTTCTACTTCCTTTGCAGGAAAGCCACTTTCAGAGAGCCAGTTCAG
TCCAGTATGATATCAACCTGGTAGAGACGAGCAGTACCAGTGCCACCACAGTCATGAACAACAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG204777 representing NM_138573
Red=Cloning site Green=Tags(s)

MPTDHEEPCGSPSHKSFCLNGGLCYVIPTIPSPFCRCVENYTGARCEEVFLPGSSIQTKSNLFEAFVALAV
LVTLIIGAFYFLCRKGHFQRASSVQYDINLVETSSTSAHHSHEQH

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

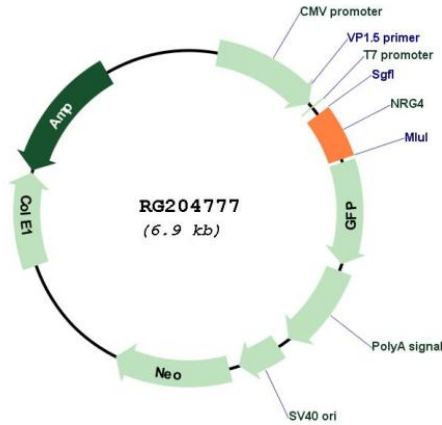


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Cloning Scheme:



Plasmid Map:



ACCN: NM_138573

ORF Size: 345 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	NM_138573.4
RefSeq Size:	697 bp
RefSeq ORF:	348 bp
Locus ID:	145957
UniProt ID:	Q8WWG1
Cytogenetics:	15q24.2
Protein Families:	Transmembrane
Protein Pathways:	ErbB signaling pathway
Gene Summary:	The neuregulins, including NRG4, activate type-1 growth factor receptors (see EGFR; MIM 131550) to initiating cell-to-cell signaling through tyrosine phosphorylation (Harari et al., 1999 [PubMed 10348342]).[supplied by OMIM, Mar 2008]