

Product datasheet for **RG211204**

WNT16 (NM_057168) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: WNT16 (NM_057168) Human Tagged ORF Clone
 Tag: TurboGFP
 Symbol: WNT16
 Mammalian Cell Selection: Neomycin
 Vector: pCMV6-AC-GFP (PS100010)
 E. coli Selection: Ampicillin (100 ug/mL)
 ORF Nucleotide Sequence: >RG211204 representing NM_057168
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGACAGGGCGGCGCTCCTGGGACTGGCCCGCTTGTCGCGCTGTGGCAGCCCTGCTCGTGTGTTCC
 CCTACGGAGCCCAAGGAACTGGATGTGGTTGGGCATTGCCTCCTTCGGGGTCCAGAGAAGCTGGGCTG
 CGCCAATTTGCCGCTGAACAGCCGCCAGAAGGAGCTGTGCAAGAGGAAACCGTACCTGTGCCGAGCATC
 CGAGAGGGCGCCCGGCTGGGCATTGAGGAGTGCAGGAGCCAGTTCAGACACGAGAGATGGAAGTGCATGA
 TCACCGCCGCGCCACTACCGCCCGATGGGCGCCAGCCCTCTTTGGCTACGAGCTGAGCAGCGGCAC
 CAAAGAGACAGCATTATTTATGCTGTGATGGCTGCAGGCCTGGTGCATTCTGTGACCAGGTCATGCAGT
 GCAGGCAACATGACAGAGTGTCTGTGACACCCTTGCAAGCAGCGGCTCAGCAAGTGAAGGCTGGC
 ACTGGGGGGCTGCTCCGATGATGTCCAGTATGGCATGTGGTTCAGCAGAAAAGTTCCTAGATTTCCCAT
 CGGAAACACCACGGGCAAGAAAACAAAGTACTATTAGCAATGAACCTACATAACAATGAAGCTGGAAGG
 CAGGCTGTCGCCAAGTTGATGTCAGTAGACTGCCGCTGCCACGGAGTTCCGGCTCCTGTGCTGTGAAA
 CATGCTGAAAACCATGTCTTTTAAAAGATTGGCCATTTGTTGAAGATAAATATGAAAACAGTAT
 CCAGATATCAGACAAAACAAAGAGGAAAATGCGCAGGAGAGAAAAGATCAGAGGAAAATACCAATCCAT
 AAGGATGATCTGCTCTATGTTAATAAGTCTCCCACTACTGTGTAGAAGATAAGAACTGGGAATCCCAG
 GGACACAAGGCAGAGAATGCAACCGTACATCAGAGGGTGCAGATGGCTGCAACCTCCTCTGCTGTGCCG
 AGGTTACAACCCATGTGGTCAGGCACGTGGAGAGGTGTGAGTGAAGTTCATCTGGTGTCTATGTC
 CGTTGCAGGAGGTGTGAAAGCATGACTGATGTCCACACTTGAAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

Protein Sequence: >RG211204 representing NM_057168
Red=Cloning site Green=Tags(s)

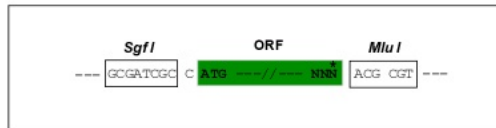
```
MDRAALLGLARLALWAALLVLPYGAQGNMWWLGIASFGVPEKLGCANLPLNSRQKELCKRKPYLLPSI
REGARLGIQECGSQFRHERWNCMITAAATTAPMGASPLFGYELSSGTKETAFIYAVMAAGLVHVSVTRSCS
AGNMTECSCDRTLQNGGSASEGWHWGGCDDVQYGMWF SRKFLDFPIGNTTGKENKVLLAMNLHNNEAGR
QAVAKLMSVDRCRHGVS GSCAVKTCWKTMSSFEKIGHLLKDKYENSIQISDKTKRKMRRREKDQRKIPIH
KDDLLYV NKSPNYC VEDKKLGIPTGQGRECNRTSEGADGCNLLCCGRGYNTHVVRHVERCECKFIWCCYV
RCRRCESMTDVHTCK
```

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



ACCN: NM_057168

ORF Size: 1095 bp

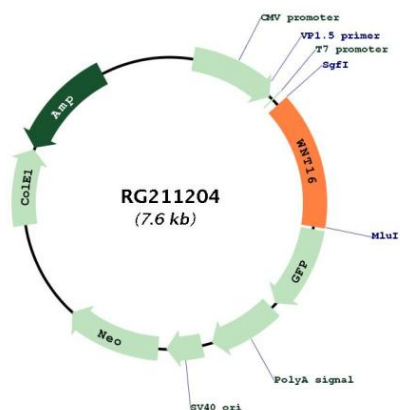
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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_057168.2
RefSeq Size:	3132 bp
RefSeq ORF:	1098 bp
Locus ID:	51384
UniProt ID:	Q9UBV4
Cytogenetics:	7q31.31
Protein Families:	Secreted Protein, Transmembrane
Protein Pathways:	Basal cell carcinoma, Hedgehog signaling pathway, Melanogenesis, Pathways in cancer, Wnt signaling pathway
Gene Summary:	<p>The WNT gene family consists of structurally related genes which encode secreted signaling proteins. These proteins have been implicated in oncogenesis and in several developmental processes, including regulation of cell fate and patterning during embryogenesis. This gene is a member of the WNT gene family. It contains two transcript variants diverging at the 5' termini. These two variants are proposed to be the products of separate promoters and not to be splice variants from a single promoter. They are differentially expressed in normal tissues, one of which (variant 2) is expressed at significant levels only in the pancreas, whereas another one (variant 1) is expressed more ubiquitously with highest levels in adult kidney, placenta, brain, heart, and spleen. [provided by RefSeq, Jul 2008]</p>

Product images:



Circular map for RG211204