

## Product datasheet for **RG219688**

### WNT11 (NM\_004626) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	WNT11 (NM_004626) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	WNT11
Synonyms:	HWNT11
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG219688 representing NM_004626 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAGGGCGGGCCGAGGTCTGCGAGGCGCTGCTCTTCGCCCTGGCGCTCCAGACCGGCGTGTGCTATG  
GCATCAAGTGGCTGGCGCTGTCCAAGACACCATCGGCCCTGGCACTGAACCAGACGCAACACTGCAAGCA  
GCTGGAGGGTCTGGTGTCTGCACAGGTGCAGCTGTGCCGACCAACCTGGAGCTCATGCACAGGTGGT  
CACGCCGCCCGAGGTCATGAAGGCTGTGCGGGGCTTTGCCGACATGCGCTGGAAGTGTCTCTCCA  
TTGAGCTCGCCCCAACTATTTGCTTGACTGGAGAGAGGGACCCGGGAGTCGGCCTTCGTGTATGCGCT  
GTGGGCCGCCCATCAGCCACGCCATCGCCGGGCTGCACCTCCGGGACCTGCCCGGCTGTCTCTGC  
GGCCCCGTCCCAGGTGAGCCACCCGACCCGGGAACCGCTGGGGAGGATGTGCGGACAACCTCAGCTACG  
GGCTCCTCATGGTGGCCAAGTTTTCCGATGCTCCTATGAAGGTGAAAAAACAGGATCCCAAGCCAATAA  
ACTGATGCGTCTACACAACAGTGAAGTGGGGAGACAGGCTCTGCGCGCCTCTCTGGAAATGAAGTGAAG  
TGCCATGGGGTGTCTGGCTCCTGCTCCATCCGCACCTGCTGGAAGGGGCTGCAGGAGCTGCAGGATGTGG  
CTGCTGACCTCAAGACCCGATACCTGTGCGCCACCAAGGTAGTGCACCCACCCATGGGCACCCGCAAGCA  
CCTGGTGCCCAAGGACCTGGATATCCGGCCTGTGAAGGACTCGGAACTCGTCTATCTGCAGAGCTCACCT  
GACTTCTGCATGAAGAATGAGAAGGTGGGCTCCACGGGACACAAGACAGGCAGTGAACAGACATCCA  
ACGGAAGCGACAGCTGCGACCTTATGTGCTGCGGGCGTGGCTACAACCCCTACACAGACCCGCTGGTCTGA  
GCGGTGCCACTGTAAGTACCACTGGTGTGCTACGTACCTGCCGAGGTGTGAGCGTACCGTGGAGCGC  
TATGTCTGCAAG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG219688 representing NM\_004626  
 Red=Cloning site Green=Tags(s)

MRARPQVCEALLFALALQTGVCGIKWLALSKTPSALALNQTQHCKQLEGLVSAQVQLCRSNLELMHTVV  
 HAAREVMKACRRAFADMRWNCSSIELAPNYLLDLERGTRESAFVYALSAAI SHAIARACTSGDLPGCSC  
 GPVPGPEPPGPNRWGGCADNLSYGLLMVAKFSDAPMKVKKTG SQANKLMRLHNSEVGRQALRASLEMKCK  
 CHGVSGSCSIRTCWKGLQELQDVAADLKTRYLSATKVVHRPMGTRKHLVPKDLDIRPVKDSELVYLQSSP  
 DFCMKNEKVGSHGTQDRQCNKTSNGSDSCDLMCCGRGYNPYTDRVVERCHCKYHWCCYVTCRRCERTVER  
 YVCK

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_004626

**ORF Size:** 1062 bp

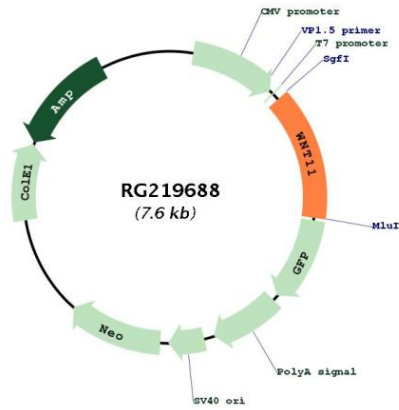
**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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.

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_004626.2</a></u> , <u><a href="#">NP_004617.2</a></u>
<b>RefSeq Size:</b>	1927 bp
<b>RefSeq ORF:</b>	1065 bp
<b>Locus ID:</b>	7481
<b>UniProt ID:</b>	<u><a href="#">O96014</a></u>
<b>Cytogenetics:</b>	11q13.5
<b>Protein Families:</b>	Secreted Protein, Transmembrane
<b>Protein Pathways:</b>	Basal cell carcinoma, Hedgehog signaling pathway, Melanogenesis, Pathways in cancer, Wnt signaling pathway
<b>Gene Summary:</b>	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 encodes a protein which shows 97%, 85%, and 63% amino acid identity with mouse, chicken, and Xenopus Wnt11 protein, respectively. This gene may play roles in the development of skeleton, kidney and lung, and is considered to be a plausible candidate gene for High Bone Mass Syndrome. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG219688