

## Product datasheet for **SC304380**

### WNT16 (NM\_016087) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	WNT16 (NM_016087) Human Untagged Clone
Tag:	Tag Free
Symbol:	WNT16
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	<p>&gt;OriGene sequence for NM_016087 edited</p> <pre> CCATGCAGCTCACCCTGCCTCAGGGAGACCCTTTCACAGGGCTTCTCAAAGACCT CCCTATGGTGGTTGGGCATTGCCTCCTTCGGGGTCCAGAGAAGCTGGGCTGCGCAATT TGCCGCTGAACAGCCGCCAGAAGGAGCTGTGCAAGAGGAAACCGTACCTGCTGCCGAGCA TCCGAGAGGGCGCCCGCTGGGCATTTCAGGAGTGCGGGAGCCAGTTCAGACACGAGAGAT GGAAGTGCATGATCACCGCCGCCCACTACCGCCCGATGGGCGCCAGCCCCCTCTTTG GCTACGAGCTGAGCAGCGGCCACCAAGAGACAGCATTTATTTATGCTGTGATGGCTGCAG GCCTGGTGCAATCTGTGACCAGGTGCAGTGCAGGCAACATGACAGAGTGTTCCTGTG ACACCACCTTGCAGAACGGCGGCTCAGCAAGTGAAGGCTGGCACTGGGGGGGCTGCTCCG ATGATGTCCAGTATGGCATGTGGTTCAGCAGAAAGTTCCTAGATTTCCCATCGGAAACA CCACGGGCAAAGAAAACAAAGTACTATTAGCAATGAACCTACATAACAATGAAGCTGGAA GGCAGGCTGTCGCAAGTTGATGTGAGTACTGCGGCTGCCACGAGTTTCCGGCTCCT GTGCTGTGAAAACATGCTGGAAAACCATGTCTTCTTTGAAAAGATTGGCCATTTGTTGA AGGATAAATATGAAAACAGTATCCAGATATCAGACAAAACAAAGAGGAAAATGCGCAGGA GAGAAAAGATCAGAGGAAAATACCAATCCATAAGGATGATCTGCTCTATGTTAATAAGT CTCCCAACTACTGTGTAGAAGATAAGAACTGGGAATCCCAGGGACACAAGGCAGAGAAT GCAACCGTACATCAGAGGGTGCAGATGGCTGCAACCTCCTCTGCTGTGGCCGAGGTTACA ACACCCATGTGGTCAGGCACGTGGAGAGGTGTGAGTGAAGTTTCTGCTGCTGCTATG TCCGTTGCAGGAGGTGTGAAAGCATGACTGATGTCCACACTTGAAGTAAC </pre>
Restriction Sites:	Please inquire
ACCN:	NM_016087
Insert Size:	1100 bp



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<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>OTI Annotation:</b>	The open reading frame of this clone has been fully sequenced and found to be a perfect match to the protein associated with this reference, NM_016087.2.
<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_016087.2</a></u> , <u><a href="#">NP_057171.2</a></u>
<b>RefSeq Size:</b>	2894 bp
<b>RefSeq ORF:</b>	1068 bp
<b>Locus ID:</b>	51384
<b>UniProt ID:</b>	<u><a href="#">Q9UBV4</a></u>
<b>Cytogenetics:</b>	7q31.31
<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>	<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> <p>Transcript Variant: This variant (2) differs from variant 1 at the 5' terminus including 5' UTR and the coding region for the N-terminus. It encodes a shorter isoform than variant 1.</p>