

Product datasheet for **SC303510**

WNT11 (NM_004626) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	WNT11 (NM_004626) Human Untagged Clone
Tag:	Tag Free
Symbol:	WNT11
Synonyms:	HWNT11
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_004626 edited
GGCTCCTCCTGGGTGTGACCCCGGGCGCGCCCGCCGCGGACGATGAGGGCGCGGCCGA
GGTCTGCGAGGCCTGCTCTTCGCCCTGGCGCTCCAGACCGGCGTGTGCTATGGCATCAA
GTGGCTGGCGCTGTCCAAGACACCATCGGCCCTGGCACTGAACCAGACGCAACACTGCAA
GCAGCTGGAGGGTCTGGTGTCTGCACAGGTGCAGCTGTGCCGAGCAACCTGGAGCTCAT
GCACACGGTGGTGCAGCCGCGCCGCGAGGTGATGAAGGCTGTGCCGGGCTTTGCCGA
CATGCGCTGGAAGTGTCTCTCCATTGAGCTCGCCCCAACTATTTGCTTGACCTGGAGAG
AGGGACCCGGGAGTCGGCCTTCGTGTATGCGCTGTGCGCCGCGCCATCAGCCACGCCAT
CGCCCGGGCTGCACCTCCGGCGACCTGCCCGGCTGCTCCTGCGGCCCGTCCCAGGTGA
GCCACCCGGACCCGGGAACCGCTGGGGAGGATGTGCGGACAACCTCAGCTACGGGCTCCT
CATGGTGGCCAAGTTTTCCGATGCTCCTATGAAGGTGAAAAAACAGGATCCCAAGCCAA
TAAACTGATGCGTCTACACAACAGTGAAGTGGGGAGACAGGCTCTGCGCGCCTCTCTGGA
AATGAAGTGTAAGTGCCATGGGGTGTCTGGCTCCTGCTCCATCCGCACCTGCTGGAAGGG
GCTGCAGGAGCTGCAGGATGTGGCTGCTGACCTCAAGACCCGATACCTGTGCGCCACCAA
GGTAGTGACCCGACCCATGGGCACCCGCAAGCACCTGGTGCCCAAGGACCTGGATATCCG
GCCTGTGAAGGACTCGGAACTCGTCTATCTGCAGAGCTCACCTGACTTCTGCATGAAGAA
TGAGAAGGTGGGCTCCCACGGGACACAAGACAGGCAGTGAACAAGACATCCAACGGAAG
CGACAGCTGCGACCTTATGTGCTGCGGGCGTGGCTACAACCCCTACACAGACCCGCTGGT
CGAGCGGTGCCACTGTAAGTACCCTGGTGTGCTACGTACCTGCCGAGGTGTGAGCG
TACCGTGGAGCGCTATGTCTGCAAGTGAGGCCCTGCCCTCCGCCCCACGAGGAGCGAGG
ACTCTGCTCAAGGACCCTCAG



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_004626 unedited TGTCACGTCATAATTTGTATACGACTCATATAGGCGGCCGCGNATTCAAATCTGGTACCG ATATCAAGCTTGGTACCGAGCTCGGATCCACTAGTAACGGCCGCCAGTGTGCTGGAATTC GCCCTTGGCTCCTCTGGGTGTGACCCCGGGCGCGCCCGCCGCGCAGATGAGGGCGCG GCCGCAGTCTGCGAGGCGCTGCTCTTCGCCCTGGCGCTCCAGACCGCGTGTGCTATGG CATCAAGTGGCTGGCGCTGTCCAAGACACCATCGGCCCTGGCACTGAACCAGACGCAACA CTGCAAGCAGCTGGAGGGTCTGGTGTCTGCACAGGTGCAGCTGTGCCCGCAGCAACCTGGA GCTCATGCACACGGTGGTGCACGCCCGCCGCGAGGTCATGAAGGCCTGTGCCCGGGCCTT TGCCGACATGCGCTGGAAGTCTCCTCCATTGAGCTCGCCCCAACTATTTGCTTGACCT GNAGAGAGGGACCCGGGAGTTCGGCTTCGTGTATGCGCTGTGCGCCGCCCATCAGCCA CGCCATCGCCCGGGCCTGCACCTCCGGGACCTGCCCGGCTGCNNTCTGCGGCCCGTCCC AGGTGAGCCACCCGACCCGGAACCGCTGGGGAGGATGTGCGGACAACCTCAGCTACGG GCTCCTCATGGGGCCAAGTTTCCGATGCTCCTATGAAAGTGAACAAAAACAGGATCCCCA AGCAATAAACTGATGCGTCTACCCACATTGAAGTGGGGGAGACAGCCTCTGGCCCGCTT TTTTGAAAGGAATGAAATGCCAGGGGTGTTTGGTTCTGTTTCATTGCAACCTGCTT GAAAGGGCTTGCAGGAAGTGCAGGATTTGGCTGCTTAACCTCAAAAC
3' Read Nucleotide Sequence:	>Forward primer walk for NM_004626 unedited CTCCTCTGNAAGGTGAAAAAACGGATCCCAAGCCAATAAACTGATGCGTCTACACAACA GTGAAGTGGGAGACAGGCTCTGCGCGCCTCTCTGAAATGAAGTGAAGTGCCATGGGG TGTCTGGCTCCTGCTCCATCCGCACCTGCTGGAAGGGGCTGCAGGAGCTGCAGGATGTGG CTGCTGACCTCAAGACCCGATACCTGTCGGCCACCAAGGTAGTGCACCGACCCATGGGCA CCCGAAGCACCTGGTGCCCAAGGACCTGGATATCCGGCCTGTGAAGGACTCGGAACTCG TCTATCTGCAGAGCTCACCTGACTTCTGCATGAAGAATGAGAAGGTGGGCTCCCACGGGA CACAAGACAGGCAGTGAACAAGACATCCAACGGAAGCGACAGCTGCGACCTTATGTGCT GCGGGCGTGGCTACAACCCTACACAGACCCGCTGGTTCGAGCGGTGCCACTGTAAGTACC ACTGGTGTGCTACGTACCTGCCGAGGTGTGAGCGTACCGTGGAGCGCTATGTCTGCA AGTGAGGCCCTGCCCTCCGCCCCACGCAGGAGCGAGGACTCTGCTCAAGGACCCTCAGAA GGGCGAATTCTGCAGATATCCATCACACTGGCGGCCGCTCGAGCATGCATCTAGATTGCG GCCGCGGTATAGCTGTTTCTGAACAGATCCCGGGTGGCATCCCTGTGACCCCTCCCCA GTGCCCTCCTGGCCCTGGNAAGTGCCACTCCAGTGCCACCAGCCTTGTCTATAAAAA TTAAGTTGCATCATTTTGTCTGACTAGGTGTCCTTCTATATATTATGGGGTGGAGGGGT GGTA
Restriction Sites:	Please inquire
ACCN:	NM_004626
Insert Size:	1200 bp
OTI Disclaimer:	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).
OTI Annotation:	The open reading frame of this TrueClone was fully sequenced and found to be a perfect match to the protein associated to this reference.
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:	<u>NM_004626.2</u> , <u>NP_004617.2</u>
RefSeq Size:	1927 bp
RefSeq ORF:	1065 bp
Locus ID:	7481
UniProt ID:	<u>O96014</u>
Cytogenetics:	11q13.5
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 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]</p>