

## Product datasheet for **SC125825**

### WNT7B (NM\_058238) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	WNT7B (NM_058238) Human Untagged Clone
Tag:	Tag Free
Symbol:	WNT7B
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:**

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>OriGene sequence for NM_058238 edited
AGTCTGCCCGCAGCCCCCTGGCCCTGCCCGGCCCTGCCGGGCCCGCGCTCCCCTCCGG
CCGCCGCTGTCTATGGCGCAGCCCCCTCCCTGGATCATGCACAGAACTTTCGCAAGTG
GATTTTCTACGTGTTTCTCTGCTTTGGCGTCTGTACGTGAAGCTCGGAGCACTGTCATC
CGTGGTGGCCCTGGGAGCCAACATCATCTGCAACAAGATTCTGGCCTAGCCCCGCGCA
GCGTGCCATCTGCCAGAGTCGGCCCGATGCCATCATTGTGATTGGGGAGGGGGCGCAGAT
GGGCATCAACGAGTCCAGTACCAGTTCGCTTCGGACGCTGGAAGTGCCTGCCCTCGG
CGAGAAGACCGTCTTCGGGCAAGAGCTCCGAGTAGGGAGCCGTGAGGCTGCCTTCACGTA
CGCCATCACCGCGGCTGGCGTGGCGCACGCCGTACCGCTGCCTGCAGCCAAGGGAACT
GAGCAACTGCGGCTGCGACCGCGAGAAGCAGGGCTACTACAACCAAGCCGAGGGCTGAA
GTGGGGCGGCTGCTCGGCCGACGTGCGTTACGGCATCGACTTCTCCCGCGCTTCGTGGA
CGCTCGGGAGATCAAGAAGAACGCGCGCGCCTCATGAACCTGCATAACAATGAGCCGG
CAGGAAGTTCTAGAGGACCGGATGCAGCTGGAGTGAAGTCCACGCGCTGTCTGGCTC
CTGCACCACAAAACCTGCTGGACCACGCTGCCAAGTTCGAGAGGTGGCCACCTGCT
GAAGGAGAAGTACAACGCGGCCGTGCAGGTGGAGTGGTGGGGCCAGCCGTCTGCGGCA
GCCACCTTCTGCGCATCAAACAGCTGCGCAGCTATCAGAAGCCATGGAGACAGACCT
GGTGTACATTGAGAAGTCGCCAACTACTGCGAGGAGGACGCGGCCACGGGCAGCGTGGG
CACGCAGGGCCGTCTCTGCAACCGCACGTGCCCCGGCGCGGACGGCTGTGACACCATGTG
CTGCGGCCGAGGCTACAACACCCACAGTACACCAAGGTGTGGCAGTGAACCTGCAAAAT
CCACTGGTGTGCTTCGTCAAGTGAACACCTGCAGCGAGCGCACCGAGGTCTTCACCTG
CAAGTGAGGCCAGGCCGGAGGGCGGCCGGGCACCCTGGAACCCGGCGGCATTTTGAC
ATCCACTCCTCACCTTCCCTGCCCTGGTGTGCCAGCAGCAGACATAGACGGGTGCAGAA
GGGGGACTCCAGGTGCAGGAGGGCACCGGCCGGGGCCACGCCCTCTGCCCGCTCCC
TGGGGTCTCTTCCCTGCCACTCCTCCATCACCTCCTGCGGCAGAACAGCACCCGTGACC
CACCCAGAGAGCAAGGCCAGGGCCTTGGTGTCCCCGACGGGGCCCGCAAGTTCTCTT
TCTTCTCTGGGAAAATGAACGTCCAGGACACACCTGTATCCCAGAGAGCAAAGTGATG
AGGAGACTGAGCGTCCCCAGCCCCACCTGGCGGCATGGACACAGAAAAGCTACGCCGGCT
GGCCTCTCAGACCAGTCCCAGGCTGGGTCTGCCGCTGGGCCCTGGGGCGGTGGGGACA
GATGTTGACACAAATTTTATGTTTTCTTAGTATCAGAAGAGGATTCTCGGCACATAACA
CATAGCCAGTCTAACTCCGTACTCTGTGTCAGCCCATCCCCTCGACACCCTCTGTTTCC
TTTCCCGCCCCACCTGGCCGGCCCTCTGCCCCGACAGCTGAGGCAGCCTGGGGTTGA
TGGGGACCACGCGGTGCCTGCAGTCTAGAAAGTGAAGTGGGCAGGGGCTTTCAGACCA
CACAGCCCTGACCGGGCCTTGGAGGAGAGCCATGGACAGGCTCCTCCATGCCGTCTTTCC
TTCTTTTGAAAATCCTATCAATGGCTGGGCGCGGTGGCTCACACCTGTAATCCCAGCACT
TTGGGAGACCGGAGGTCAGGTCACCTGAGGTCAGGAGTTCGAGACCAGCCTGGCCAAC
GTGGTGAACCCCTGTCTCTACTAAAAATACAAAAATTAGCTGGGCGTGGTGGCGTGCACC
TGTAATCCCAGTACTCAGGAGGCTGAGACAGGACACTTGCTTGAACCCGGGAGGTGGAG
GTTGCAATGAGCCAAGATTGTGCCACTGTATCCAACCTGGGTGACAGAGCACGACTCTG
TCTCAAAAAAAAAAAAAAAAAA
    
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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_058238 unedited TGATTTTGTATACGACNACTATAGGCGGCCGCGTAATTCGCACGAGGAGTCTGCCCGCAG CCCCCTGGCCCCTGCCCGGCCCTGCCGGCCCGCGCGTCCCCTCCGGCCCGCGTGTCTA TGGCGCAGCCCCCTCCCTGGATCATGCACAGAACTTTCGCAAGTGGATTTTCTACGTG TTTCTGTCTTTGGCGTCTGTACGTGAAGCTCGGAGCACTGTATCCGTGGTGGCCCTG GGAGCCAACATCATCTGCAACAAGATTCCTGGCCTAGCCCCGCGCAGCGTGCCATCTGC CAGAGTCGGCCCGATGCCATCATTGTGATTGGGGAGGGGGCGCAGATGGGCATCAACGAG TGCCAGTACCAGTTCCGCTTCGGACGCTGGAAGTCTCTGCCCTCGGCGAGAAGACCGTC TTCGGGCAAGAGCTCCGAGTAGGGAGCCGTGAGGCTGCCTTACGTACGCCATCACCGCG GCTGGCGTGGCGCACGCCGTACCGCTGCCTGCAGCCAAGGGAACCTGAGCAACTGCGGC TGCGACCGCGAGAAGCAGGGCTACTACAACCAAGCCNAGGGCTGGAATGTGGCGGCTGC TCGGCCGACGTGCGTTACGGCATCNACTTCTCCCGCGCTTCGTGGACGCTCGGGAGATC AAGAAGACGCGCGCCCTCATGAACCTGCATAACAATGAGGCCCGCAGGGAAGTTCTAG AGGACCGATGCANNCTGAGTGCANGTGCCACGCGTGTCTGGCTTCTGCACCAACAAAAC TTGCTGGACACCCTGCCAGTTTCGAAAGGTGGCCACTTGCTTGAGGAGAAATACAACC CGGCCCTCCAGTGGAGGGGTGCGGCCACCCCTTGGGGGAGCCCACTTTCGGGGCATAAA AACTGTGCACTTAAAAACCTTGAAACAAACCGGGAACGTGGAAGTCCCAACT
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_058238
<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>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>	<a href="#">NM_058238.1</a> , <a href="#">NP_478679.1</a>
<b>RefSeq Size:</b>	2250 bp
<b>RefSeq ORF:</b>	1050 bp
<b>Locus ID:</b>	7477
<b>UniProt ID:</b>	<a href="#">P56706</a>
<b>Cytogenetics:</b>	22q13.31
<b>Protein Families:</b>	Adult stem cells, Cancer stem cells, ES Cell Differentiation/IPS, Secreted Protein, Stem cell relevant signaling - Wnt Signaling pathway, Transmembrane

**Protein Pathways:** Basal cell carcinoma, Hedgehog signaling pathway, Melanogenesis, Pathways in cancer, Wnt signaling pathway

**Gene Summary:** This gene is a member of the WNT gene family, which consists of structurally related genes that 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. Among members of the human WNT family, this gene product is most similar to WNT7A protein. [provided by RefSeq, Oct 2008]