

Product datasheet for **SC109435**

WNT5B (NM_030775) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	WNT5B (NM_030775) Human Untagged Clone
Tag:	Tag Free
Symbol:	WNT5B
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

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>OriGene sequence for NM_030775 edited
GAATTCGGCACGAGGATTTCTTTGGATGTTCTGCAGCAAGGACAGGTATGCTTTACAACA
GCCGAAGTGGCCTCCCGGCTGCCGAACGGAGGAACGCCGCAAGCTCCGCTCTTGAATTA
CTTGTTTTTCAATTTCTTTTGGTCTTCTCAGCTCATTATTTCTTTGAAATTAGTCTCG
TGCAGGGTTCCCACAGTTTGGGGTAAGAGACAGAAGTCTAGGGTGGGAAGATGAGCAGT
GGGAGGCGGAGGCTGAAAGAGGCCGAGCTTCTTTGTGGGAACACGCAGCACGTAAGCA
TCAGTGCAACTTTCTCCGCTCACCCCGGCTCCTGGTCTGCCCTTATCCGCTGAGTTTCC
ACACTGACTCTCATTCTGTTTTCTCCAGGGAACCCCTACTCTGAAACTGTCAGTCCCA
GGGCACTGGGGAGGGCTGAGGCCACCATGCCAGCCTGCTGCTGCTGTTACGGCTGCT
CTGCTGTCCAGCTGGGCTCAGCTTCTGACAGACGCCAACTCCTGGTGGTCATTAGCTTTG
AACCCGGTGCAGAGACCCGAGATGTTTATCATCGGTGCCAGCCCGTGTGCAGTCAGCTT
CCCGGGCTCTCCCTGGCCAGAGGAAGCTGTGCCAATTGTACCAGGAGCACATGGCTAC
ATAGGGGAGGGAGCCAAGACTGGCATCAAGGAATGCCAGCACCAGTTCGGCAGCGGGCG
TGAATTCGAGCACAGCGGACAACGCATCTGTCTTTGGGAGATCATGCAGATAGGCAGC
CGAGAGACCGCCTTACCACGCGGTGAGCGCCGCGGGCTGGTCAACGCCATCAGCCGG
GCCTGCCGCGAGGGCAGCTCTCCACCTGCGGGTGCAGCCGACGGCGCGGCCAAAGGAC
CTGCCCGGGACTGGCTGTGGGGCGGCTGTGGGACAACGTGGAGTACGGCTACCGCTTC
GCCAAGGAGTTTGTGGATGCCCGGAGCGAGAGAAGAACTTTGCCAAAGGATCAGAGGAG
CAGGGCCGGGTGCTCATGAACCTGCAAAACAACGAGGCCGGTCCGAGGGCTGTGTATAAG
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TGGCTGCAGCTGGCCGAGTTCGCAAGGTGCGGGACCGGCTGAAGGAGAAGTACGACAGC
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CAGCCCCACCCGAGGACCTGGTCTATGTGGACCCAGCCCGACTACTGCCTGCGCAAC
GAGAGCACGGGCTCCCTGGGCACGCAGGGCCGCTCTGCAACAAGACTCGGAGGGCATG
GATGGCTGTGAGCTCATGTGCTGCGGGCTGGCTACAACCAAGTCAAGAGCGTGCAGGTG
GAGCGCTGCCACTGCAAGTTCCTGCTGCTTCTGTCAGGTGAAGAAGTGCACGGAG
ATCGTGGACAGTACATCTGTAATAGCCCGGAGGGCCTGCTCCCGGCCCTGCACTC
TGCCTCACAAGGTCTATATTATATAAATCTATATAAATCTATTTTATATTTGTATAAGT
AAATGGGTGGGTGCTATACAATGAAAGATGAAAATGAAAGGAAGAGCTATTTAAGAG
ACGCTGGAGATCTCTGAGGAGTGGACTTTGCTGGTCTCTCCTCTTGGTGGTGGGAGAC
AGGGCTTTTTCTCCTCTGGTGGAGACTCTCAGGATGTAGGGACTTGGAAATATTTAC
TGTCTGTCCACCACGGCCTGGAGGAGGGAGTTGTGGTTGGATGGAGGAGATGATCTTGT
CTGGAAGTCTAGAGTCTTTGTTGGTTAGAGGACTGCCTGTGATCCTGGCCACTAGGCCAA
GAGGCCCTATGAAGTGGCGGAACTCAGCTTCAACCTCGATGTCTTCAGGGTCTTGTC
AGAATGTAGATGGGTTCCGTAAGAGGCCTGGTGTCTCTTACTCTTTCATCCACGTGCAC
TTGTGCGGCATCTGCAGTTTACAGGAACGGCTCCTTCCCTAAAATGAGAAGTCCAAGGTC
ATCTCTGGCCAGTGACCACAGAGATCTGCACCTCCCGGACTTCAAGCCTGCCTTTCC
AGCGAGAATCTTTCATCTCCACGGTTCCTAGCTCCTACCTGAAGAGGAAAGGGGGCCA
TTTGACCTGACATGTGAGGAAAGCCCTAACTGAATGTTTGGCCTGGGCTGCAGAAGCC
AGGGTGCATGACCAGGCTGCGTGGACGTTATACTGTCTTCCCCACCCCGGGGAGGGGA
AGCTTGAGCTGCTGCTGCACTCTCCACCGAGGGAGGCCTCACAAACCAGGACGCTG
CAACGGGTGAGGCTGGCGGGCCCGGCTGCTCATCATCTGCCCCAGGTGTACGGTTTC
TCTCTGACATTAATGCCCTTCTGAGAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACTCGAC
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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_030775 unedited CATATTATGNATACGACTCACTATAGGGCGGCCCGCAATCGGCACGAGGATTTCTTTGG ATGTTCTGCAGCAAGGACAGGTATGCTTTACAACAGCCGAAGTGGCCTCCCGGCTGCCGA ACGGAGGAACGCCGAAGCTCCGCTCTTGAAATTACTTGTTCATTTCTCTTTGTGGTT TCTCAGCTCATTATTTCTTTGGAAATTAGGTCCTGTGCAGGGTCCCACAGTTTGGGGTA AGAGACAGAAGTCTAGGGTGGGAAGATGAGCAGTGGGAGGCGGAGGCTGAAAGAGGCC GAGCTTCTTTGTGGGGAACACGACGACGTAAGCATCAGTGCAACTTTCTCCGCCTCACC CCGGCTCCTGGTCTGCCCTTATCCGCTGAGTTTCCACACTGACTCTCCATTTCTGTTTT TCCAGGGAACCTACTCTGGAACTGTCAGTCCCAGGGCACTGGGGAGGGCTGAGGCCGA CCATGCCAGCCTGCTGTGCTGTTACGGCTGCTGTGCTGTCCAGCTGGGCTCAGCTTC TGACAGACGCCAACTCCTGGTGGTCATTAGCTTTGAACCCGGTGCAGAGACCCGAGATGT TTATCATCGGTGCCAGCCCGTGTGCAGTCAGCTTCCCGGGCTCTCCCCTGGCCAGAGGA AGCTGTGCCAATTGTACCAGGAGCACATGGCCTACATAGGGGAGGGAGCCAAGACTGGCA TCAAGGAATGCCAGCACCAGTCCGGCAGCGCGGTGGGATTGCAGCACAGCGGACAACG CATCTGTCTTTGGGAGAGTCATGCAGATAGGCAGCCGAGAGACCGNCTTACCCACGCCG TGAGCGCCGCGGGCGTGTCAACGCCATCAGCCGGGCTGCCCGAGGGGAGCTCTNCA CCTGCGNTGCAGCCGGACGGNGCGGCCAGGACCTGCCCGGACTGGCTGTGNGCCGCTGT GGG</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_030775 unedited NNTTTTTTNNGGGCATTTATGTNCAGTAGGNAACCGTACACCTGGGGCAGNANAGATGA GCACGCCGGGCCGCCAGCCTGACCCGTTGCAGCGTCTGTGGTTTGTGAGGCCTCCCTC GGTGGAGGAGTGACAGCAGCAGCTCAAGCTTCCCTCCCCGGGGTGGGGAAAGACAGTA TAACGTCCACGCAGCCTGGTCATGCACCCTGGCTTCTGCAGCCCAGGCGCAAACATTCAG TTTAGGGCTTTCCTGACATGTCAGGTCAAATGGCCCCCTTTCCTTTCAGGTAGGAGCTA GTGAACCGTGGAGGATGAAGAATTCTCGCTGAAAGGCAGGCCTGAAGTCCGGGAGGTGC AGATCTCTCTGTGGTCACTGGGCCAGAGATGACCTTGGACTTCTCATTTTAGGGAAGGAG CCGTTCCTGTAACTGCAGATGCCGCACAAGTGCACGTGGATGAAAGAGTAAGAGAGCAC CAGGCCCTTACGGAACCCATCTACATTCTGGACAAGACCCTGAAGACATCGAGGTTGAA GCTGAGTTCCCGCCACCTTCATAGGGCCTTTGGCCTAGTGGCCAGGATCACAGGCAGTC CTCTAACCAACAAGACTCTAGACTTCCAGACAAGATCATCTCCTCCATCCAACCACAAC CTCCTCCTNCAGGCCGTGGTGGACAGACAGTAAATATTTCCAAGTCCCTACATCCTGAG AGTCTCACANGAGGAGAGAAAAAGCCCTGTCTCCACCCACCAAGAGGAGAGAACCAG CAAAGTCCACTCCTCAGAGATCTCCANCCTCTTAAATAGCTCTTCTTTCCATTNTCA TCTTTCCATTGTATAGCACCCACCCCTTACTTATACAAATATAAATAGATTTATATAGA TTTATATATATAGACCCTTG</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_030775
Insert Size:	2610 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).
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_030775.2 , NP_110402.2
RefSeq Size:	2184 bp
RefSeq ORF:	1080 bp
Locus ID:	81029
UniProt ID:	Q9H1J7
Cytogenetics:	12p13.33
Domains:	wnt
Protein Families:	Secreted Protein
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 94% and 80% amino acid identity to the mouse Wnt5b protein and the human WNT5A protein, respectively. Alternative splicing of this gene generates 2 transcript variants. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (2) differs from variant 1 in the 5' UTR, which results from an alternate exon. Both variants encode the same protein.</p>