

Product datasheet for **SC305120**

WNT2B (NM_024494) Human Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | WNT2B (NM_024494) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | WNT2B |
| Synonyms: | WNT13 |
| Mammalian Cell Selection: | None |
| Vector: | <u>pCMV6-XL5</u> |
| E. coli Selection: | Ampicillin (100 ug/mL) |



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Fully Sequenced ORF: >OriGene sequence for NM_024494 edited
 GGAGCCGCGGCGTCCCCTGCGAGCGTGCAGGAGCAGGTGGGGTGCAGCGCGGTGGCGCG
 CGGGAGCCCCGAGGGGCGGAGGCGGCTGCTACACCTAGGGCGTCGCGGAGCGCCCCGGG
 TTGGCGGGGCGGAGCCGCCCTAAGGGCCGCGGTGTCCCAGCCCTCGGCCCCGCCCCGT
 CCCGTCCAATGAGAGCCCGGCGCAAGGGGCTGTCCGCACACTAGGCCCGCAGCTCCCT
 TCAGCCCGCAGACCCCCGACACCCGACCCGGTCCCTCAGGCAGCGCCCCAGACCCCG
 GGTTTCGGCACCGCTCGTCCGCTTCCGGACATCGCAACTTGCGCCCTCTCGGGGATCCT
 CCTCCCGGCTCTGGACCCAGGTGATCCTAGGTCCCCAGCCGCGGCAACACCATGGC
 CCCCCAGGGGGTGGAGTGGAGCAGCCTGAGTACCCCCAGAAGGTGCCCGTCCACGCC
 CCTCCGGGCTGCGCGCGGGAGTCTTCCGGGAGCTATGCTGAGACCGGGTGGTGCAGGAG
 AAGCTGCGCAGCTCCCGCTTCCGGCGGCCAGGCCCGGTCCCTGTGCCGTGCCCCGCGG
 CCCCCGACGGCTCCCGGCTTCCGCCCGCCTAGGTCTTGCCTGCCTTCTGCTCCTGCTG
 TGCTGACGCTGCCGGCCCGGTAGACACGTCCTGGTGGTACATTGGGCACTGGGGGCAC
 GAGTGATCTGTGACAATATCCCTGGTTTGGTGGAGCCGCGCAGCGGAGCTGTGCCAGCGT
 ACCCAGACATCATGCGTTCAAGTGGGCGAGGGTCCCGGAGATGGATCCGAGAGTGTGAGC
 ACCAATTCGCGCCACCACCGCTGGAAGTGTACCACCTGGACCGGACCACACCGTCTTTG
 GCCGTGTGATGCTCAGAAGTAGCCGAGAGGCAGCTTTTGTATATGCCATCTCATAGCAG
 GGGTAGTCCACGCTATTACTCGCGCCTGTAGCCAGGGTGAAGTGTGTGCAGCTGTG
 ACCCTACACCGTGGCCGACACCATGACCAGCGTGGGGACTTTGACTGGGGTGGCTGCA
 GTGACAACATCCACTACGGTGTCCGTTTTGCCAAGGCCTTCGTGGATGCCAAGGAGAAGA
 GGCTTAAGGATGCCCCGGGCCCTCATGAACCTACATAATAACCGCTGTGGTGCACGGCTG
 TGCGGCGGTTTTCTGAAGTGGAGTGAAGTGCCATGGCGTGAGTGGTTCTGTACTCTGC
 GCACCTGCTGGCGTGCACCTCAGATTTCCGCCGACAGGTGATTACCTGCGGCGCAGCT
 ATGATGGGGCTGTGCAGGTGATGGCCACCAAGATGGTGGCAACTTCACCGCAGCCCGCC
 AAGGCTATCGCCGTGCCACCCGACTGATCTTGTACTTTGACAACCTCCAGATTACT
 GTGCTTGGACAAGGCTGCAGGTTCCCTAGGCACTGCAGGCCGTGTGTCAGCAAGACAT
 CAAAAGGAACAGACGGTTGTGAAATCATGTGCTGTGGCCGAGGGTACGACACAACCGAG
 TCACCCGTGTTACCCAGTGTGAGTGCAAAATCCACTGGTGTGCTGTACGGTGAAGG
 AATGCAGAAATACTGTGGACGTCCATACTTGCAAAGCCCCAAGAAGGCAGAGTGGCTGG
 ACCAAACCTGAACACACAGATACCTCACTCATCCCTCCAATTCAAGCCTCTCAACTCAA
 AGCACAAGATCCTTGATGCACACCTTCTCCACCTCCACCCTGGGCTGTACCGCTTC
 TATTTAAGGATGTAGAGAGTAATCCATAGGGACCATGGTGTCTGCTGGTTCTTAGCC
 CTGGGAAGGAGTTGTGAGGGGATATAAGAACTGAGCAAGCTCCCTGATTTCCCGCTCTG
 GAGATTTGAAGGGAGAGTAGAAGAGATAGGGGGTCTTTAGAGTGAAATGAGTTGCACTAA
 AGTACGTAGTTGAGGCTCCTTTTTTCTTTTCTTTGACCAGCTTCCCGATACTTCTTGGT
 GTGCAAGAGGAAGGGTACCTGTAGAGAGCTTCTTTTGTCTTACTGCGCAAAGTTAGA
 TGGGACAAAGATGAATGGCATGTCCCTTCTCTGAAGTCCGTTTGGAGCAGAACTACCTGGT
 ACCCCGAAAGAAAATCTTAGGCTACCACATTCTATTATTGAGAGCCTGAGATGTTAGCCA
 TAGTGGACAAGGTTCCATTACATGCTCATATGTTTATAAACTGTGTTTTGTAGAAGAAA
 AAGAATCATAACAATAACAACACACATTCTCTCTCTTTTTCTCTCTACCATCTCAAC
 CTGATTGGACAGCACTGCCTCTTTTGCTTACTTGTGCTGCTGTTCAAACCTGAGGTGGAAT
 GCAGTGGTTCCCATGCTTAAACAATCATTAAAACACCCTAGAACACTCCTAGGATAGATT
 AATGTAGTAAA

Restriction Sites: Please inquire
ACCN: NM_024494
Insert Size: 2500 bp

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| 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 ORF of this clone has been fully sequenced and found to be a perfect match to NM_024494.1. |
| 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_024494.1 , NP_078613.1 |
| RefSeq Size: | 1970 bp |
| RefSeq ORF: | 1176 bp |
| Locus ID: | 7482 |
| UniProt ID: | Q93097 |
| Cytogenetics: | 1p13.2 |
| Protein Families: | Secreted Protein |
| Protein Pathways: | Basal cell carcinoma, Hedgehog signaling pathway, Melanogenesis, Pathways in cancer, Wnt signaling pathway |
| Gene Summary: | <p>This gene encodes a member of the wingless-type MMTV integration site (WNT) family of highly conserved, secreted signaling factors. WNT family members function in a variety of developmental processes including regulation of cell growth and differentiation and are characterized by a WNT-core domain. This gene may play a role in human development as well as carcinogenesis. Alternative splicing results in multiple transcript variants. [provided by RefSeq, May 2014]</p> <p>Transcript Variant: This variant (WNT-2B2) represents the shortest transcript and encodes the longest isoform (WNT-2B2).</p> |