

Product datasheet for SC118001

WNT8B (NM_003393) Human Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | WNT8B (NM_003393) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | WNT8B |
| Mammalian Cell Selection: | None |
| Vector: | <u>pCMV6-XL4</u> |
| E. coli Selection: | Ampicillin (100 ug/mL) |
| Fully Sequenced ORF: | <p>>OriGene sequence for NM_003393 edited</p> <pre> GAATTCGGCAGGAGGATTATGTTTCTTTCAAAGCCTTCTGTGTACATCTGTCTTTT CACCTGTGTCCTCCAACCTCAGCCACAGCTGGTGGTGAACAATTCCTGATGACTGGTCC AAAGGCTTACCTGATTTACTCCAGCAGTGTGGCAGCTGGTGCCAGAGTGGTATTGAAGA ATGCAAGTATCAGTTTGCCTGGGACCGCTGGAACCTGCCCTGAGAGAGCCCTGCAGCTGTC CAGCCATGGTGGGCTTCGCAGTGCCAATCGGGAGACAGCATTGTGCATGCCATCAGTTC TGCTGGAGTCAATGACACCCTGACTAGAAACTGCAGCCTTGGAGATTTTGATAACTGTGG CTGTGATGACTCCCGCAACGGGCAACTGGGGGGACAAGGCTGGCTGTGGGGAGGCTGCAG TGACAAATGTGGGCTTCGGAGAGGCGATTCCAAGCAGTTGTGCGATGCCCTGGAAACAGG ACAGGATGCACGGGCAGCCATGAACCTGCACAACAACGAGGCTGGCCGCAAGGCGGTGAA GGGCACCATGAAACGCACGTGCAAGTGCCACGGCGTGTCTGGCAGCTGCACCAGCAGAG CTGTTGGCTGCAGCTGCCCGAGTTCCGCGAGGTGGGCGCGCACCTGAAGGAGAAGTACCA CGCAGCACTCAAGGTGGACCTGCTGCAGGGTGGTGGCAACAGCGCGCCGCGCGGCGC CATCGCCGACACCTTTCGCTCCATCTCTACCCGGGAGCTGGTGCACCTGGAGGACTCCCC GGACTACTGCCTGGAGAACAAAACGCTAGGGCTGCTGGGCACCGAAGGCCGAGAGTGCCT AAGGCGCGGGCGGGCCCTGGGTGCTGGGAACGCCGAGCTGCCCGGGCTCTGCGGGGA CTGCGGGCTGGCGGTGGAGGAGCGCCGGGCGGAGACCGTGTCCAGCTGCAACTGCAAGT CCACTGGTGTGCGCAGTCCGCTGCGAGCAGTCCGCGGAGGGTACCAAGTACTTCTG TAGCCGCGCAGAGCGGCCGCGGGGGGCGCTGCGCACAAACCCGGGAGAAAACCTAAGG GTTTCCTCTGCCCTCCTTTTCCCACTGGTTCTTGGCTTCTTTAGAGACCCCGTAAT TGTGGAACCTAGGGAATGGGGAACCCGCTCTCCAGACCTAGGGATCCTGAGAGGGAGAG ACTGCAATTTCTCAAAGCTTGCCACTTTCACGCTGTTTCCCAATTCCTCTGTGCTCT CCTAGAGCTCTGTCTGAATCCTCGCAGCCACACCTAGGTCTGAGAACTCAGGCTTTGAGT TACTGATCTTCTTGGATTAGGAGAACAGGTGTTCTCTCCCTCTCTAGCAGCCCTA ATGTCTGACCTAGCCTATCAAGCCTTAGGCGTGGGAAGAACCTTCTCAGACACGCAGGA CCCAGGTAAGTCAAAGCTTTGCCCTTTTGCCACTGTCTGCTACCAGGGCTCACCCACT GCTGCACCTCTCTCTGCACAGCTCCTCCCTGCTACCTGCTGAGCCAGATTCCCAGGA ATCTTGAATGCTTCT CCCCGAAAAGCATGTCTTTGGGGTTGGTTCTAGAGGCAGAGGTTGAAGATGGAAGAGG </pre> |



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GAGCTCTGGAGTGCTAACTTGAACACCAAGGGTCTACTCATCCCTATGGTATCATATCA
 TGAATGGACTTTACTAGTGGGCAATGACTTTCCTAGACAATAACCCGAGGGACTCCAGA
 TACATACCCCGAAGGTCTAGGAAATACGTTAAGGGCAGATTACAGTCATTTCTACCCCT
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 TCTAAAGAGCTCAAGAAGAGAAAATAGGAGAACAAAATGCCATXXXXXXXXXXXXXAAA
 AAA
 AAA
 AAA
 CTCGAC

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_003393 unedited
 GTTGCACCATTTGTATACGACTCATATAGGCGGCCGCAAATTCGCACGAGGGAGGATTA
 TGTTTCTTTCAAAGCCTTCTGTGTACATCTGTCTTTTACCTGTGCTCCTCAACTCAGCC
 ACAGCTGGTCCGTGAACAATTTCTGATGACTGGTCCAAAGGCTTACCTGATTTACTCCA
 GCAGTGTGGCAGCTGGTCCCAGAGTGGTATTGAAGAATGCAAGTATCAGTTTGCCTGGG
 ACCGCTGGAACCTGCCCTGAGAGGCCCTGCAGCTGTCCAGCCATGGTGGGCTTCGCAGTG
 CCAATCGGGAGACAGCATTGTGTGATGCCATCAGTTCTGCTGGAGTCATGTACACCTGA
 CTAGAAACTGCAGCCTTGGAGATTTTGATAACTGTGGCTGTGATGACTCCCGCAACGGGC
 AACTGGGGGGACAAGGCTGGCTGTGGGGAGGCTGCAGTGACAATGTGGGCTTCGGAGAGG
 CGATTTCCAAGCAGTTTGTGATGCCCTGGAAACAGGACAGGATGCACGGGCAGCCATGA
 ACCTGCACAACAACGAGGCTGGCCGCAAGGCGGTGAAGGGCACCATGAAACGCACGTGCA
 AGTGCCACGGCGTGTCTGGCAGCTGCACCACGCAGACCTGTTGGCTGCAGCTGCCCGAGT
 TCCGCGAGGTGGGCGGCACCTGAAGGAGAAGTACCACGCAGCACTCAAGGTGGACCTGC
 TGCANNGTGTGGCAACAGCGCGCCGGCCGGCCGCGCCATCGCCGACACCTTTTCGCTCCA
 TCTTACCCGGGAGCTGGTGCACNTGGAGACTCCCCGNACTACTGCCTGNAGAACAAC
 GCTNAGGCTGCTGGNCACCGAANGCCGANAGTGCTAANGCGCGCCGGCCCTGGTCTGCTG
 AACCGCGCACTGCCCGCTCTGCGGGACGCGGGC

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| 3' Read Nucleotide Sequence: | >OriGene 3' read for NM_003393 unedited GTAGAAGCTTTTTATGGCATTGTTGNTCTCCTATTTTCTCTTCTTCTGAGCTCTTTAGAGAT TTGTTTTGCTAAGACAGGCTTTCTCCCCCTTCTTTCCAGTCTGAGGATTGCCTCTATGG GAGCCAACATAAATATTTCTCCTCCAGGAATGCGGGTTAATAAAAGGAAATGAATGAGT GGAAGCATCCAATCCAGACCTACAATAGGCGAGTGCCCTGGCCTGCCCTCCCCTCCCACC ACCGCCAGCACCACCAGCGCCGAAGACGACCCCGTCTCTGTCTTTGCCCTAACCTGCTGC TAAGCCAGTTGAGGCTGCGATTCTTTTCAAAAAGAAAAAGCTCTGCCTGTGTTTAGGCT CACAGGCCAGGGACAGGAAGGAGACAGTGTGTTTGCCACCCCAACCAATGTCCTTGTCAC TTCTCAGGGCCTCCCTCTGTTTCTGTCTTCTGGCTGAGACAGATGGGCTCCTGAAGAGCA CACAAGAGGTGGAAGGGGCTGTGCTCTGCACTCTCCCCACAGTAACTACTAGTTGGGG GAAGAAGCCAGTCATCTTTCTCAGCATCAGTTAAATCTGTAACACAAAAGGTTTGACTG GCTGACCTCAAAGATGTCTTCCAAGCACCAGTTCTGGAGTTGTCTACTTTGTAAGGGA CCACGGCCCTGGCAATTGAGTGAAGATGAGAAGTAACTCCGTGATGCAGNCATGGGT GGTTGTTCACTACTATCTACTCTGGNTGTTGNTGAATGAACANATGAACAAGTGGAT ATTGCAAAGGGAAGNAAAGCATACAGATCCAGGCATCTCAGTCATGTTTTCTTGGTAGA CTGGATGAATCTGNTTNCATTTGNGNNTATAACATACCTATGAAAATATGTCTGGCGC ATGACGATTTANAGGGCTGACTGNAGTACCAATTGAAGCCATAGTCTGCTTTTGCTAGAG ACTGAGATGTACTTACTC |
| Restriction Sites: | NotI-NotI |
| ACCN: | NM_003393 |
| Insert Size: | 4930 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_003393.2 , NP_003384.1 |
| RefSeq Size: | 2117 bp |
| RefSeq ORF: | 1056 bp |
| Locus ID: | 7479 |
| UniProt ID: | Q93098 |
| Cytogenetics: | 10q24.31 |
| Domains: | wnt |

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| Protein Families: | Cancer stem cells, ES Cell Differentiation/IPS, Secreted Protein, Stem cell relevant signaling - Wnt Signaling pathway |
| 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 95%, 86% and 71% amino acid identity to the mouse, zebrafish and Xenopus Wnt8B proteins, respectively. The expression patterns of the human and mouse genes appear identical and are restricted to the developing brain. The chromosomal location of this gene to 10q24 suggests it as a candidate gene for partial epilepsy. [provided by RefSeq, Jul 2008]</p> |