

Product datasheet for **SC303447**

WNT2B (NM_004185) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	WNT2B (NM_004185) 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)
Fully Sequenced ORF:	>OriGene ORF sequence for NM_004185 edited ATGTTGGATGGCCTTGGAGTGGTAGCCATAAGCATTTTTGGAATTCAACTAAAACTGAA GGATCCTTGAGGACGGCAGTACCTGGCATACCTACACAGTCAGCGTTCAACAAGTGTG CAAAGGTACATTGGGGCACTGGGGCACAGTGATCTGTGACAATATCCCTGGTTTGGTG AGCCGGCAGCGGAGCTGTGCCAGCGTTACCCAGACATCATGCGTTCAGTGGGCGAGGGT GCCCGAGAATGGATCCGAGAGTGTGAGCACAATTCCGCCACCACCGCTGGAAGTGTACC ACCCTGGACCGGGACCACACCGTCTTTGGCCGTGTGATGCTCAGAAGTAGCCGAGAGGCA GCTTTTGTATATGCCATCTCATCAGCAGGGGTAGTCCACGCTATTACTCGCGCTGTAGC CAGGGTGAAGTGTGTGAGCTGTGACCCCTACACCCGTGGCCGACACCATGACCAG CGTGGGGACTTTGACTGGGGTGGCTGCAGTGACAACATCCACTACGGTGTCCGTTTTGCC AAGGCCTTCGTGGATGCCAAGGAGAAGAGGCTTAAGGATGCCCGGCCCTCATGAACTTA CATAATAACCGCTGTGGTGCACGGCTGTGCGGCGTTTTCTGAAGCTGGAGTGAAGTGC CATGGCGTGAGTGGTTCCTGTACTCTGCGCACCTGCTGGCGTGCCTCTCAGATTCCGC CGCACAGGTGATTACCTGCGGCGACGCTATGATGGGGCTGTGAGGTGATGGCCACCCAA GATGGTGCCAACCTCACCGCAGCCCGCAAGGCTATCGCCGTGCCACCCGGACTGATCTT GTCTACTTTGACAACCTCCAGATTACTGTGTCTTGACAAGGCTGCAGGTTCCCTAGGC ACTGCAGCCGTGTCTGCAGCAAGACATCAAAGGAACAGACGGTTGTGAAATCATGTGC TGTGGCCGAGGGTACGACACAACCTCGAGTCACCCGTGTTACCCAGTGTGAGTGCAAATTC CACTGGTGTGTGCTGTACGGTCAAGGAATGCAGAAATACTGTGGACGTCCATACTTGC AAAGCCCCAAGAAGGCAGAGTGGCTGGACCAAACCTGA
Restriction Sites:	Please inquire
ACCN:	NM_004185
Insert Size:	1200 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 open reading frame of this clone has been fully sequenced and found to be a perfect match to the protein associated with this reference, NM_004185.3.
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_004185.2</u> , <u>NP_004176.2</u>
RefSeq Size:	2014 bp
RefSeq ORF:	1119 bp
Locus ID:	7482
UniProt ID:	<u>Q93097</u>
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-2B1) differs in the 5' UTR and 5' coding region, compared to variant WNT-2B2. The encoded isoform (WNT-2B1) has a shorter and distinct N-terminus, compared to isoform WNT-2B2.</p>