

Product datasheet for **SC118000**

WNT2 (NM_003391) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	WNT2 (NM_003391) Human Untagged Clone
Tag:	Tag Free
Symbol:	WNT2
Synonyms:	INT1L1; IRP
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene ORF sequence for NM_003391 edited
ATGAACGCCCTCTCGGTGGAATCTGGCTCTGGCTCCCTCTGCTTTGACCTGGCTCACC
CCCGAGGTCAACTCTTCATGGTGGTACATGAGAGCTACAGTGGCTCCTCCAGGGTGATG
TCCGATAATGTGCCAGGCCTGGTGGAGCAGCCAGCGGCAGCTGTGTACCCGACATCCAGAT
GTGATGCGTGCCATTAGCCAGGGCGTGGCCGAGTGGACAGCAGAATGCCAGCACCAGTTC
CGCCAGCACCCTGGAATTGCAACACCCTGGACAGGGATCACAGCCTTTTTGGCAGGGTC
CTACTCCGAAGTAGTCGGGAATCTGCCTTTGTTTATGCCATCTCCTCAGCTGGAGTTGTA
TTTGCCATCACCAGGGCCTGTAGCCAAGGAGAAGTAAATCCTGTTCTGTGATCCAAAG
AAGATGGGAAGCGCCAAGGACAGCAAAGGCATTTTTGATTGGGGTGGCTGCAGTGATAAC
ATTGACTATGGGATCAAATTTGCCCGCGCATTTGTGGATGCAAAGGAAAGGAAAGGAAAG
GATGCCAGAGCCCTGATGAATCTTCAACAACAGAGCTGGCAGGAAGGCTGTAAAGCGG
TTCTTGAAACAAGAGTGCAAGTGCCACGGGGTGAGCGGCTCATGTACTCTCAGGACATGC
TGGCTGGCCATGGCCGACTTCAGGAAAACGGGCGATTATCTCTGGAGGAAAGTACAATGGG
GCCATCCAGGTGGTCAATGAACCAGGATGGCACAGGTTTCACTGTGGCTAACGAGAGGTTT
AAGAAGCCAACGAAAAATGACCTCGTGTATTTTGAGAATTCTCCAGACTACTGTATCAGG
GACCGAGAGGCAGGCTCCCTGGGTACAGCAGGCCGTGTGTGCAACCTGACTTCCCGGGGC
ATGGACAGCTGTGAAGTCATGTGCTGTGGGAGAGGCTACGACACCTCCCATGTACCCCGG
ATGACCAAGTGTGGGTGTAAGTTCCACTGGTGTGCGCCGTGCGCTGTGAGGACTGCCTG
GAAGCTCTGGATGTGCACACATGCAAGGCCCAAGAACGCTGACTGGACAACCGCTACA
TGA



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_003391 unedited</p> <pre> CCCCGAGCCACNCCCCCCCCCCCCCGGTTCAAATTTGTATACCATCACTATAGGC GGCCGGAATCGCCACGGATCTGACCTGAGCANCGCAGGGGGTTAATATGAACGCCCTC TCGGTGAATCTGGCTCTGGCTCCCTCTGCTCTTGACCTGGCTCACCCCCGAGGTCAACT CTTCATGGTGGTACATGAGAGCTACAGGTGGCTCCTCCAGGTGATGTGCGATAATGTGC CAGGCCGTTGGTACAGCAGCCAGCCGAGCTGTGTACCCGACATCCAGATGTGATGCGTGCCA TTAGCCAGGGCGTGGCCGAGTGGACAGCAGAATGCCAGCACAGTTCCGCCAGCACCCGT GGAATTTGCAACACCTGGACAGGGATCACAGCCTTTTTGGCAGGGTCTACTCCGAAGTA GTCGGGAATCTGCCTTTGTTTATGCCATCTCCTCAGCTGGAGTTGATTTGCCATCACCA GGGCTGTAGCCAAGGAGAAGTAAATCCTGTTCTGTGATCCAAAGAAGATGGGAAGCG CCAAGGACAGCAAAGGCATTTTTGATTGGGGTGGCTGCAGTGATAACATTGACTATGGGA TCAAATTTGCCCGCGCATTTGTGGATGCAAAGGAAAGGAAAGGAAAGGATGCCAGAGCCC TGATGAATCTTACAACNAACAGAGCTGCANGAAAGCTGTANAGCGGTTCTTGAAACAAG AGTGCAAGTGCCACGGGGTGGCGGCTCATGTACTCTCANGACATGCTGGCTGGCCCATG CCGACTTCANGAAAACCGCGATTATCTCTGGNAGAAGTACAATGGGCCATCCCAGTGGT CATGAACCAGGATGCAACANGTTCACTTGTGCTAACGAGAGGTTTGAAGCCACGAAAAT GTACTCGTGATTTTTGAGAATCTTCAAATACTGTTCAAGCACCGANAGCCAGCTCCCTGG TACGCN </pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_003391 unedited</p> <pre> GGAATTCGCTTTGCTTNCATTCAAATTAACAAAAACGGTGCAGGNNCAGCCTNNCTCCATT TTCCCTGGATGTCATCTTTGGCTGATGGCAGAAGCCAACCACTATTTGCATACTGATGC TCCCATAAATTACAGTTGAGTCCCTTAAACATAGTCTCCAAGTTACGATTTGTTTGAATA TAATATAGCAGGGTTACCAACTTTATAAGCAATGCTATGTGTCATTTGCTTTAGGCTACA GTATCACATCATCTTGTAAAGCATCAAATAAATAAATAAATATGACAGGTCTTTAAACT GGGCTTGAAGGGTATGGGCATTAGCAGACGGCGGACGTGGCCGACTTCTTTAGGCATC TGCTTATTGTAAGGCCGCCCCAGGCACGAGTTAGCTCTGGAAACCTCTCTGTCAGCATT TAGTTCACCAATCTTGTATCCCCAAAATTTTATCCTTCAAGTCTTTTCAAGTATGAGATT CCATGGGTCACATGCATAATATGAGATAGGAATTTTATCTCCCTTTTTTCTTGATCTG TACAGATAACTTCTGATATCCATCCACTAAATATTTTCCACCATATCCCAATAG TTACAGAATATTGCCAGACCATTATCTTTTAAATTTTCAATCCCTTCGGATTCTAAGTGAG AAGGAACCTCTCATTCCCTTAAAGATTTTTTATTCAAGGTGACAGGTAATGCCAAAGCA ATCCCTTTTCTGAGGCTTTTGGCTTTTACAAAGATACCACCCACCTTATTCCCCAAGGA CACACGTCACCCCTTGTACATCAGAATTTTATATGGGGAAATAAATGCCTTGGANAA TTCACCTTTTTAACTTAAAGGGTATTGAAAGCCCTTTTTTTCCGGTAATTACCCATT TACCCTAAGGGTGGAAACCTTAA </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_003391
Insert Size:	2500 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_003391.1 , NP_003382.1
RefSeq Size:	2301 bp
RefSeq ORF:	1083 bp
Locus ID:	7472
UniProt ID:	P09544
Cytogenetics:	7q31.2
Domains:	wnt
Protein Families:	Adult stem cells, 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>This gene is a member of the WNT gene family. 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. Alternatively spliced transcript variants have been identified for this gene. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (1) represents the longer transcript.</p>