

Product datasheet for **SC305570**

WNT3A (NM_033131) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	WNT3A (NM_033131) Human Untagged Clone
Tag:	Tag Free
Symbol:	WNT3A
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	<p>>OriGene sequence for NM_033131 edited</p> <pre> ACGCTCTCGGGGGCGACTCCCGGCCCTCCGCGCCCTCTCGCGCGGCGATGGCCCCACTCG GATACTTCTTACTCCTCTGCAGCCTGAAGCAGGCTCTGGGCAGCTACCCGATCTGGTGGT CGCTGGCTGTTGGGCCACAGTATTCCCTCCCTGGGCTCGCAGCCATCCTGTGTGCCAGCA TCCCGGGCCTGGTCCCCAAGCAGCTCCGCTTCTGCAGGAACACTACGTGGAGATCATGCCCA GCGTGGCCGAGGGCATCAAGATTGGCATCCAGGAGTGCCAGCACCAGTCCGCGGGCCGCC GGTGGAACTGCACCACCGTCCACGACAGCCTGGCCATCTTCGGGCCCCTGCTGGACAAAG CTACCAGGGAGTCGGCCTTTGTCCACGCCATTGCCTCAGCCGGTGTGGCCTTTGCAGTGA CACGCTCATGTGCAGAAGGCACGGCCGCCATCTGTGGCTGCAGCAGCCGCCACCAGGGCT CACCAGGCAAGGGCTGGAAGTGGGGTGGCTGTAGCGAGGACATCGAGTTTGGTGGGATGG TGTCTCGGGAGTTCGCCGACGCCCGGGAGAACCAGCCAGATGCCCGCTCAGCCATGAACC GCCACAACAACGAGGCTGGGCGCCAGGCCATCGCCAGCCACATGCACCTCAAGTGCAAGT GCCACGGGCTGTCGGGCAGCTGCGAGGTGAAGACATGCTGGTGGTGCACACCCGACTTCC GCGCCATCGGTGACTTCCCTCAAGGACAAGTACGACAGCGCCTCGGAGATGGTGGTGGAGA AGCACCAGGGAGTCCCGCGGCTGGGTGGAGACCCTGCGGCCGCGCTACACCTACTTCAAGG TGCCACGGAGCGCGACCTGGTCTACTACGAGGCCTCGCCAACTTCTGCGAGCCCAACC CTGAGACGGGCTCCTTCGGCACGCGGACCGCACCTGCAACGTCAGCTCGCACGGCATCG ACGGCTGCGACCTGCTGTGCTGCGGCCGCGGCCACAACGCGGAGCGGAGCGGCGCGGGG AGAAGTCCGCTGCGTGTCCACTGGTGTGCTACGTGAGTGCAGGAGTGCACGCGCG TCTACGAGTGCACACCTGCAAGTAGGCACCGGCCGCGGCTCCCCCTGGACGGGGCGGGC CCTGCCTGAGGGTGGGCTTTTCCCTGGGTGGAGCAGGACTCCACCTAAACGGGGCAGTA CTCCTCCCTGGGGGCGGGACTCCTACCTGGGAAAGCCTGAAGGAGAAAAACA </pre>



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_033131 unedited GTTCGGCATTNTGTATACGACTCATATAGGGCGGCCGCGATTTCAGATCTGGTACCGAGCT CGGATCCACTAGTAACGGCCGCCATGTGCTGGAATTCGCCCTTACCACGCTCTCGGGGC GGACTCCCGGCCCTCCGCGCCCTCTCGCGCGGCATGGCCCCACTCGGATACTTCTTACT CCTCTGCAGCCTGAAGCAGGCTCTGGGCAGCTACCCGATCTGGTGGTTCGCTGGCTGTTGG GCCACAGTATTCTCCCTGGGCTCGCAGCCATCCTGTGTGCCAGCATCCCGGCCCTGGT CCCCAGCAGCTCCGCTTCTGCAGGAACCTACGTGGAGATCATGCCCAGCGTGGCCGAGGG CATCAAGATTGGCATCCAGGAGTGCCAGCACCAGTTCCGCGGCCCGCGGTGGAAGTGCAC CACCGTCCACGACAGCCTGGCCATCTTCGGGCCCGTGTGGACAAAGCTACCAGGGAGTC GGCTTTGTCCACGCCATTGCCTCAGCCGGTGTGGCTTTGCAGTGACACGCTCATGTGC AGAAGGCACGGCCGCCATCTGTGGCTGCAGCAGCCGCCACCAGGGCTCACCAGGCAAGGG CTGGAAGTGGGGTGGCTGTAGCGAGGACATCGAGTTTGGTGGGATGGTGTCTCGGGAGTT CGCCGACGCCCGGAGAAACCGCCAGATGCCCGCTCAGCCATGAACCGNCAACAACGA GGCTGGGGCCAGGCCATCGNCAGCCACATGCACCTCAAGTGCAAGTGCCACGGGCTGTC GGGCAGCTGCGAGGTGAAGACATGCTGGGTGGTCGCAACCCCGACTTCCGCGCCATCGC
Restriction Sites:	Please inquire
ACCN:	NM_033131
Insert Size:	1300 bp
OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery. The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	The open reading frame of this TrueClone was fully sequenced and found to be a perfect match to the protein associated to this reference.
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_033131.2 , NP_149122.1

RefSeq Size:	2932 bp
RefSeq ORF:	1059 bp
Locus ID:	89780
UniProt ID:	P56704
Cytogenetics:	1q42.13
Protein Families:	Adult stem cells, Cancer stem cells, Druggable Genome, ES Cell Differentiation/IPS, Induced pluripotent stem cells, 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 96% amino acid identity to mouse Wnt3A protein, and 84% to human WNT3 protein, another WNT gene product. This gene is clustered with WNT14 gene, another family member, in chromosome 1q42 region. [provided by RefSeq, Jul 2008]</p>