

Product datasheet for **SC322789**

WNT3 (NM_030753) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	WNT3 (NM_030753) Human Untagged Clone
Tag:	Tag Free
Symbol:	WNT3
Synonyms:	INT4; TETAMS
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_030753, the custom clone sequence may differ by one or more nucleotides

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ATGGAGCCCCACCTGCTCGGGCTGCTCCTCGGCCCTCTGCTCGGTGGCACCAGGGTCTCGCTGGCTACC  
CAATTTGGTGGTCCCTGGCCCTGGGCCAGCAGTACACATCTCTGGGCTCACAGCCCCTGCTCTGCGGCTC  
CATCCCAGGCCTGGTCCCAAGCAACTGCGCTTCTGCCGCAATTACATCGAGATCATGCCAGCGTGGCC  
GAGGGCGTGAAGCTGGGCATCCAGGAGTGCCAGCACCAGTTCGGGGCCCGCGCTGGAAGTGCACCACCA  
TAGATGACAGCCTGGCCATCTTTGGGCCCGTCTCGACAAAGCCACCCGCGAGTCCGGCTTCGTTACGCG  
CATCGCCTCGGCCGGCTGGCCTTCGCCGTCAACCGCTCTCGCCGAGGGCACCTCCACCATTTGCGGC  
TGTGACTCGCATATAAGGGGCCCTGGCGAAGGCTGGAAGTGGGGCGGCTGCAGCGAGGACGCTGACT  
TCGGCGTGTAGTGTCCAGGGAGTTCGCGGATGCGCGGAGAAGCAGGCCGACGCGGCTCGGCCATGAA  
CAAGCACAAACGAGGGCGGCCGACGACTATCCTGGACCACATGCACCTCAAATGCAAGTGCCACGGG  
CTGTGGGCGAGCTGTGAGGTGAAGACCTGCTGGTGGGCGCAGCCTGACTTCCGTGCCATCGGTGACTTCC  
TCAAGGACAAGTATGACAGCGCCTCGGAGATGGTAGTAGAGAAGCACCGTGAAGTCCCGAGGCTGGGTGGA  
GACCCTCCGGGCCAAGTACTCGCTCTTCAAGCCACCCACGAGAGGGACCTGGTCTACTACGAGAACTCC  
CCCAACTTTTGTGAGCCCAACCCAGAGACGGTTCCTTTGGCACAAGGGACCGGACTTGAATGTACCT  
CCCACGGCATCGATGGCTGCGATCTGCTCTGCTGTGGCCGGGGCCACAACACGAGGACGGAGAAGCGGAA  
GGAAAAATGCCACTGCATCTTCCACTGGTGTGCTACGTACGTGCGCAGGAGTGTATTGCGATCTACGAC  
GTGCACACCTGCAAGTAG
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Restriction Sites:	Please inquire
ACCN:	NM_030753



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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:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_030753.3 , NP_110380.1
RefSeq Size:	1506 bp
RefSeq ORF:	1068 bp
Locus ID:	7473
UniProt ID:	P56703
Cytogenetics:	17q21.31-q21.32
Domains:	wnt
Protein Families:	Druggable Genome, Secreted Protein, Transmembrane
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 98% amino acid identity to mouse Wnt3 protein, and 84% to human WNT3A protein, another WNT gene product. The mouse studies show the requirement of Wnt3 in primary axis formation in the mouse. Studies of the gene expression suggest that this gene may play a key role in some cases of human breast, rectal, lung, and gastric cancer through activation of the WNT-beta-catenin-TCF signaling pathway. This gene is clustered with WNT15, another family member, in the chromosome 17q21 region. [provided by RefSeq, Jul 2008]</p>