

Product datasheet for **SC305368**

WNT8A (NM_031933) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: WNT8A (NM_031933) Human Untagged Clone
Tag: Tag Free
Symbol: WNT8A
Synonyms: OTTHUMP00000180556; wingless-type MMTV integration site family, member 8A; WNT8D
Mammalian Cell Selection: None
Vector: pCMV6-XL5
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_031933 edited
 GGTACCGATCGCCATGGGGAACCTGTTTATGCTCTGGGCAGCTCTGGGCATATGCTGTGC
 TGCATTTCAGTGCCTCTGCCTGGTCAGTGAACAATTTCTGATAACAGGTCCCAAGGCCTA
 TCTGACCTACACGACTAGTGTGGCCTTGGGTGCCAGAGTGGCATCGAGGAGTGCAAGTT
 CCAAGTTTGCTTGGGAACGCTGGAACCTGCCCTGAAAATGCTCTTCAGCTCTCCACCCACAA
 CAGGCTGAGAAGTGTACCAGAGAGACTTCCTTCATACATGCTATCAGCTCTGCTGGAGT
 CATGTACATCATACCAAGAAGTGTAGCATGGGTGACTTCGAAAACCTGTGGCTGTGATGG
 GTCAAACAATGGAAAAACAGGAGGCCATGGCTGGATCTGGGGAGGCTGCAGCGACAATGT
 GGAATTTGGGAAAGGATCTCCAACTCTTTGTGGACAGTTTGGAGAAGGGGAAGGATGC
 CAGAGCCCTGATGAATCTTCACAACAACAGGGCCGCGAGACTGGCAGTGAGAGCCACCAT
 GAAAAGGACATGCAAATGTCATGGCATCTCTGGGAGCTGCAGCATACAGACATGCTGGCT
 GCAGCTGGCTGAATTCGGGAGATGGGAGACTACCTAAAGGCCAAGTATGACCAGGCGCT
 GAAAATTGAAATGGATAAGCGGCAGCTGAGAGCTGGGAACAGCGCCGAGGGCCACTGGGT
 GCCCGCTGAGGCCTTCCTTCCTAGCGCAGAGGGCGAACTGATCTTTTTAGAGGAATCACC
 AGATTACTGTACCTGCAATTCAGCCTGGGCATCTATGGCACAGAGGGTTCGTGAGTGCCT
 ACAGAACAGCCACAACACATCCAGGTGGGAGCGACGTAGCTGTGGGCGCCTGTGCACTGA
 GTGTGGCTGCAGGTGGAAGAGAGGAAAACCTGAGGTGATAAGCAGCTGTAACCTGCAAATT
 CCAAGTGGTGTACGGTCAAGTGTGACCAGTGTAGGCATGTGGTGGCAAGTATTACTG
 CGCAGCTCCCCAGGCAGTCCCCAGTCCCTGGGAGAGTTTGGTTTGGGGTCTATATCTA
 GCTCGAGCAGAAAACCTCATCTCAGAAGAGTCTAGA

Restriction Sites: Please inquire
ACCN: NM_031933
Insert Size: 1100 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_031933.1.
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_031933.1</u> , <u>NP_114139.1</u>
RefSeq Size:	1597 bp
RefSeq ORF:	1068 bp
Locus ID:	7478
Cytogenetics:	5q31.2
Protein Families:	Cancer stem cells, 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, and may be implicated in development of early embryos as well as germ cell tumors. Multiple alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Jul 2014]</p> <p>Transcript Variant: This variant (1) lacks an internal fragment and encodes a longer isoform with distinct C-terminus, as compared to variant 2.</p>