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# Product datasheet for SC102858

## WNT9A (NM_003395) Human Untagged Clone

### Product data:

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|---|---|
| **Product Type:** | Expression Plasmids |
| **Product Name:** | WNT9A (NM_003395) Human Untagged Clone |
| **Tag:** | Tag Free |
| **Symbol:** | WNT9A |
| **Synonyms:** | WNT14 |
| **Mammalian Cell Selection:** | None |
| **Vector:** | pCMV6-XL4 |
| **E. coli Selection:** | Ampicillin (100 ug/mL) |

**Fully Sequenced ORF:**

>OriGene ORF within SC102858 sequence for NM_003395 edited (data generated by NextGen Sequencing)

```
ATGCTGGATGGGTCCCCGCTGGCGCGCTGGCTGGCCGCGGCCTTCGGGCTGACGCTGCTG
CTCGCCGCGCTGCGCCCTTCGGCCGCCTACTTCGGGCTGACGGGCAGCGAGCCCCTGACC
ATCCTCCCGCTGACCCTGGAGCCAGAGGCGGCTGCCCAGGCGCACTACAAGGCCTGCGAC
CGGCTGAAGCTGGAGCGGAAGCAGCGGCGCATGTGCCGCCGGGACCCGGGCGTGGCAGAG
ACGCTGGTGGAGGCCGTGAGCATGAGTGCGCTCGAGTGCCAGTTCCAGTTCCGCTTTGAG
CGCTGGAACTGCACGCTGGAGGGCCGCTACCGGGCCAGCCTGCTCAAGCGAGGCTTCAAG
GAGACTGCCTTCCTCTATGCCATCTCCTCGGCTGGCCTGACGCACGCACTGGCCAAGGCG
TGCAGCGCGGGCCGCATGGAGCGCTGTACCTGCGATGAGGCACCCGACCTGGAGAACCGT
GAGGCCTGGCAGTGGGGGGGCTGCGGAGACAACCTTAAGTACAGCAGCAAGTTCGTCAAG
GAATTCCTGGGCAGACGGTCAAGCAAGGATCTGCGAGCCCGTGTGGACTTCCACAACAAC
CTCGTGGGTGTGAAGGTGATCAAGGCTGGGGTGGAGACCACCTGCAAGTGCCACGGCGTG
TCAGGCTCATGCACGGTGCGGACCTGCTGGCGGCAGTTGGCGCCTTTCCATGAGGTGGGC
AAGCATCTGAAGCACAAGTATGAGACGGCACTCAAGGTGGGCAGCACCACCAATGAAGCT
GCCGGCGAGGCAGGTGCCATCTCCCCACCACGGGGCCGTGCCTCGGGGGCAGGTGGCAGC
GACCCGCTGCCCCGCACTCCAGAGCTGGTGCACCTGGATGACTCGCCTAGCTTCTGCCTG
GCTGGCCGCTTCTCCCCGGGCACCGCTGGCCGTAGGTGCCACCGTGAGAAGAACTGCGAG
AGCATCTGCTGTGGCCGCGGCCATAACACACAGAGCCGGGTGGTGACAAGGCCCTGCCAG
TGCCAGGTGCGTTGGTGCTGCTATGTGGAGTGCAGGCAGTGCACGCAGCGTGAGGAGGTC
TACACCTGCAAGGGCTGA

Clone variation with respect to NM_003395.2
```

View online »

**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM_003395 unedited
TATTGTATACGACTCCTATAGGCGGCCGCGACATTCGCACGAGGCGATGGTCGGCCGCCG
AGGCGCGGCAAGATGCTGGATGGGTCCCCGCTGGCGCGCTGGCTGGCCGCGGCCTTCGGG
CTGACGCTGCTGCTCGCCGCGCTGCGCCCTTCGGCCGCCTACTTCGGGCTGACGGGCAGC
GAGCCCCTGACCATCCTCCCGCTGACCCTGGAGCCAGAGGCGGCCGCCCAGGCGCACTAC
AAGGCCTGCGACCGGCTGAAGCTGGAGCGGAAGCAGCGGCGCATGTGCCGCCGGGACCCG
GGCGTGGCAGAGACGCTGGTGGAGGCCGTGAGCATGAGTGCGCTCGAGTGCCAGTTCCAG
TTCCGCTTTGAGCGCTGGAACTGCACGCTGGAGGGCCGCTACCGGGCCAGCCTGCTCAAG
CGAGGCTTCAAGGAGACTGCCTTCCTCTATGCCATCTCCNCGGCTGGCCTGACGCACGCA
CTGGCCAAGGCGTGCANCGCGGGCCGCATGGAGCGCTGTACCTGCGATGAGGCACCCGAC
CTGGAGAACCGTGAGGCCTGGCAGTGGNGGGGGCTGCGGAGACAACCTTAAGTACAGCAG
CAAGTTCGTCAAGGAATTCCTGGGCAGACGGTCAAGCAAGGATCTGCGAGCCCGTGGTGG
ACTTCCCAACAACCTCGTGGGTGTGGAAAGTGATCAAGCTGGGGGGGGGAGACCCACCTG
CAGTGCCAGGCGGTGTCAGGCTCATGCACGGGGGCGAACCTGCTGGCGGCAGTTGGGCGC
TTTCCATGGAGGTGGGCAAGCATTTTGAACCCAAGTATGAAAACGGACTTAAGGTGGGGC
AGCACCCACAATGAAGCTGCGGCCGAGGCA

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM_003395 unedited
CTCGCGGTTCGCTTTCTATTGCNCGGTTTTTTTTTTTTTTTTTTATAATTCAAAAACCCC
CATTTAATGTTTCCATTTGTTTCTGGTTCTGTGACACAAAGCTGTTAAATAAATACATTC
TCCACAGCCCCTTTGGGACGGGCCACACAGATGAGGCAGAGAAATCATTGTATGCACGGA
GACTCGGAGCACAGACAGGGCCCCCCCCACCCACCCATTTTGTTTATTTTCTCATGGGGG
ACCAGGCCCCTCCAGGCCGCCCCTGAAGCCCCACAGGGGGTATTTCATCTATTGTTTAAG
GAAAGAAAAACCACCCGTACCCACCTCCCGCCGCGCCCCCCCCAGGACTATTTATACACA
CTCTTCGTGTTTTTTTTTTATGTGCATGATTATATTGTCGCGCCCCTCGACCTCCCCCCC
TCCCGGCTTCCCCGCTTTTTATATTTTATTTTTCCGTCGAATCCGATCCCCCCCCCGCCC
CCCCCCTACACGTAACCTTCTCCCGTCCCTTCGTCTTTATCACCGTCCCCCCGCCCCTTC
CTTCCCGCCCCGTTTTTTTTTCCCTCCTTTCTTTTTTTCTTTCCCCCCACTCTCGTTCGC
CGTTCCCCTGCAGTCACGCTTCGCTCCTCGCCTCTCCTTTATCCGCTTTTCCGCCACCAT
GTTCTTCCTCCGCCGCCTCCACGCCCTTGTCCTGGATGCGCCGTTTTCTTCTCGCGCCCT
TATTCCGCCGCCTGTCCTCCGTTCCCCATGTTTTCTTCTTTTGCCCCACTTTTTTTGGTA
ATGGATTTTCCGACCCTCGCCGCCCCTGCCCGCCCCCTCTTCCTTCTCCCCCCCCCCCTC
CCTCTCCCGCGTGCTTAATAATCCCCGCTCTTCTATTCCCGCCCCTTCTGCCACCTTCTT
CGCCACCGACCCGACGGCCTTTATTCCCCTTATTCATGTGCCCCGCCGCGTCGTTGCAGC
GTTCGTCGGCGCGCGCGGGNATAANAAGGCCGGCGTAGTATCTTATTTCCGCCATCCGCC
GCTCCTATCCGCTTATTCTCCGCGCCGCCGCGTGTTTTTCGCTCCGCGTCTTCTCTCCTT
TCCTATCCATCTGGCCGTCTTGTTTCCCC

**Restriction Sites:** NotI-NotI

**ACCN:** NM_003395

**Insert Size:** 3780 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).

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|---|---|
| **Reconstitution Method:** | 1. Centrifuge at 5,000xg for 5min.<br>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.<br>3. Close the tube and incubate for 10 minutes at room temperature.<br>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.<br>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_003395.1, NP_003386.1 |
| **RefSeq Size:** | 1631 bp |
| **RefSeq ORF:** | 1098 bp |
| **Locus ID:** | 7483 |
| **UniProt ID:** | O14904 |
| **Cytogenetics:** | 1q42.13 |
| **Domains:** | wnt |
| **Protein Families:** | Secreted Protein, Transmembrane |
| **Protein Pathways:** | Basal cell carcinoma, Hedgehog signaling pathway, Melanogenesis, Pathways in cancer, Wnt signaling pathway |
| **Gene Summary:** | The WNT gene family consists of structurally related genes that 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 is expressed in gastric cancer cell lines. The protein encoded by this gene shows 75% amino acid identity to chicken Wnt14, which has been shown to play a central role in initiating synovial joint formation in the chick limb. This gene is clustered with another family member, WNT3A, in the chromosome 1q42 region. [provided by RefSeq, Jul 2008] |