

Product datasheet for SC335672

WNT8A (NM_001300939) Human Untagged Clone

Product data:

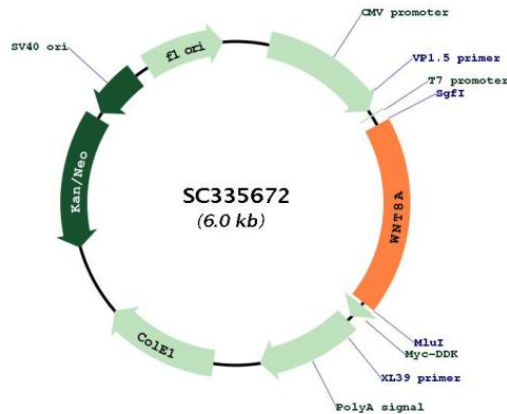
Product Type:	Expression Plasmids
Product Name:	WNT8A (NM_001300939) Human Untagged Clone
Tag:	Tag Free
Symbol:	WNT8A
Synonyms:	WNT8D
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC335672 representing NM_001300939. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCTGTGCTGCATTCAGTGCCTCTGCCTGGTAAGTCCTTTCCCAACCCTCACTCCTTGCCAAGGAGGC
CCCCATTGTCTCATCCCCATTACCTCTGCCTCACTTTTTCTTTTTGGTAGGTCAGTGAACAATTTTC
CTGATAACAGGTCCCAAGGCCTATCTGACCTACACGACTAGTGTGGCCTTGGGTGCCAGAGTGGCAGT
GAGGAGTGCAAGTTCCAGTTTGGTGGGAACGCTGGAAGTCCCTGAAAATGCTCTTCAGCTCTCCACC
CACAACAGGCTGAGAAGTGTACCAGAGAGACTTCCTTCATACATGCTATCAGCTCTGCTGGAGTCATG
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GCCGGCAGACTGGCAGTGAAGCCACCATGAAAAGGACATGCAAAATGTCATGGCATCTCTGGGAGCTGC
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TGTACCTGCAATTCAGCCTGGGCATCTATGGCACAGAGGGTCTGAGTGCCTACAGAACAGCCACAAC
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GCCTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI



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Plasmid Map:


ACCN: NM_001300939

Insert Size: 1110 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:

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_001300939.1](#)

RefSeq Size: 1814 bp

RefSeq ORF: 1110 bp

Locus ID: 7478

UniProt ID: [Q9H1J5](#)

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
MW:	40.9 kDa
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 (2) has an additional segment in the 3' region, which results in an alternate translation stop codon, compared to variant 1. The resulting isoform (2) is shorter and has a distinct C-terminus, compared to isoform 1.</p>