

## Product datasheet for RC212746

### WNT9B (NM\_003396) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	WNT9B (NM_003396) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	WNT9B
Synonyms:	WNT14B; WNT15
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC212746 representing NM_003396 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCGCCCCCGCCGCGCTGGCCCTGGCCGGGCTCTGCCTGCTGGCGCTGCCGCCGCCGCCGCTCTCT  
ACTTCGGCTGACCGGGCGGAAGTCTGACGCCCTTCCAGGATTGGGCACTGCGGCAGCCCCGGCACA  
GGGCGGGCCACCTGAAGCAGTGTGACCTGCTGAAGTGTCCCGGGCGCAGAAGCAGCTCTGCCGAGG  
GAGCCCGCCTGGCTGAGACCTGAGGGATGCTGCGCACCTCGGCTGCTTGAGTGCCAGTTTCAGTTCC  
GGCATGAGCGCTGGAAGTGTAGCCTGGAGGGCAGGACGGGCTGCTCAAGAGAGGCTTCAAAGAGACAGC  
TTTCCTGTACGGGTGTCTCTGCCGCCCTCACCCACACCCTGGCCCGGGCTGCAGCGCTGGGCGCATG  
GAGCGCTGCACCTGTGATGACTCTCCGGGGCTGGAGAGCCGGCAGGCCTGGCAGTGGGGCGTGTGCGGTG  
ACAACCTCAAGTACAGCACCAAGTTTCTGAGCAACTTCTGGGGTCCAAGAGAGGAAACAAGGACCTGCG  
GGCAGGGCAGACGCCACAATACCCACGTGGGCATCAAGGCTGTGAAGAGTGGCCTCAGGACCAGTGT  
AAGTGCCATGGCGTATCAGGCTCCTGTGCCGTGCGCACCTGTGGAAGCAGCTCTCCCGTTCCGTGAGA  
CGGGCCAGGTGCTGAACTGCGCTATGACTCGGCTGTCAAGGTGTCCAGTGCCACCAATGAGGCCTGGG  
CCGCTAGAGCTGTGGCCCCCTGCCAGGCAGGGCAGCCTACCAAAGGCCTGGCCCCAAGGTCTGGGGAC  
CTGGTGTACATGGAGGACTCACCCAGCTTCTGCCGGCCAGCAAGTACTACCTGGCACAGCAGGTAGGG  
TGTGCTCCCGGGAGGCCAGCTGCAGCAGCCTGTGCTGCGGGCGGGCTATGACACCCAGAGCCGCTGCT  
GGCCTTCTCTGCCACTGCCAGGTGCAGTGGTGTGCTACGTGGAGTGCCAGCAATGTGTGCAGGAGGAG  
CTTGTGTACACCTGCAAGCAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTAA

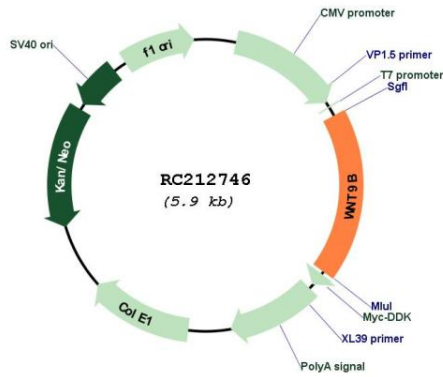


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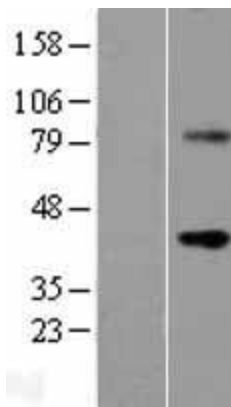


<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NM_003396.3</u>
<b>RefSeq Size:</b>	1464 bp
<b>RefSeq ORF:</b>	1074 bp
<b>Locus ID:</b>	7484
<b>UniProt ID:</b>	<u>O14905</u>
<b>Cytogenetics:</b>	17q21.32
<b>Protein Families:</b>	Secreted Protein, Transmembrane
<b>Protein Pathways:</b>	Basal cell carcinoma, Hedgehog signaling pathway, Melanogenesis, Pathways in cancer, Wnt signaling pathway
<b>MW:</b>	38.97 kDa
<b>Gene Summary:</b>	<p>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. Study of its expression in the teratocarcinoma cell line NT2 suggests that it may be implicated in the early process of neuronal differentiation of NT2 cells induced by retinoic acid. This gene is clustered with WNT3, another family member, in the chromosome 17q21 region. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb 2016]</p>

Product images:



Circular map for RC212746



Western blot validation of overexpression lysate (Cat# [LY401159]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC212746 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).