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Product datasheet for RG212746

WNT9B (NM_003396) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	WNT9B (NM_003396) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	WNT9B
Synonyms:	WNT14B; WNT15
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence:

>RG212746 representing NM_003396
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCGCCCCCCGCCCGCGCTGGCCCTGGCCGGGCTCTGCCTGCTGGCGCTGCCCGCCGCCGCCGCCTCCT
ACTTCGGCCTGACCGGGCGGGAAGTCCTGACGCCCTTCCCAGGATTGGGCACTGCGGCAGCCCCGGCACA
GGGCGGGGCCCACCTGAAGCAGTGTGACCTGCTGAAGCTGTCCCGGCGGCAGAAGCAGCTCTGCCGGAGG
GAGCCCGGCCTGGCTGAGACCCTGAGGGATGCTGCGCACCTCGGCCTGCTTGAGTGCCAGTTTCAGTTCC
GGCATGAGCGCTGGAACTGTAGCCTGGAGGGCAGGATGGGCCTGCTCAAGAGAGGCTTCAAAGAGACAGC
TTTCCTGTACGCGGTGTCCTCTGCCGCCCTCACCCACACCCTGGCCCGGGCCTGCAGCGCTGGGCGCATG
GAGCGCTGCACCTGTGATGACTCTCCGGGGCTGGAGAGCCGGCAGGCCTGGCAGTGGGGCGTGTGCGGTG
ACAACCTCAAGTACAGCACCAAGTTTCTGAGCAACTTCCTGGGGTCCAAGAGAGGAAACAAGGACCTGCG
GGCACGGGCAGACGCCCACAATACCCACGTGGGCATCAAGGCTGTGAAGAGTGGCCTCAGGACCACGTGT
AAGTGCCATGGCGTATCAGGCTCCTGTGCCGTGCGCACCTGCTGGAAGCAGCTCTCCCCGTTCCGTGAGA
CGGGCCAGGTGCTGAAACTGCGCTATGACTCGGCTGTCAAGGTGTCCAGTGCCACCAATGAGGCCTTGGG
CCGCCTAGAGCTGTGGGCCCCTGCCAGGCAGGGCAGCCTCACCAAAGGCCTGGCCCCAAGGTCTGGGGAC
CTGGTGTACATGGAGGACTCACCCAGCTTCTGCCGGCCCAGCAAGTACTCACCTGGCACAGCAGGTAGGG
TGTGCTCCCGGGAGGCCAGCTGCAGCAGCCTGTGCTGCGGGCGGGGCTATGACACCCAGAGCCGCCTGGT
GGCCTTCTCCTGCCACTGCCAGGTGCAGTGGTGCTGCTACGTGGAGTGCCAGCAATGTGTGCAGGAGGAG
CTTGTGTACACCTGCAAGCAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

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Protein Sequence:

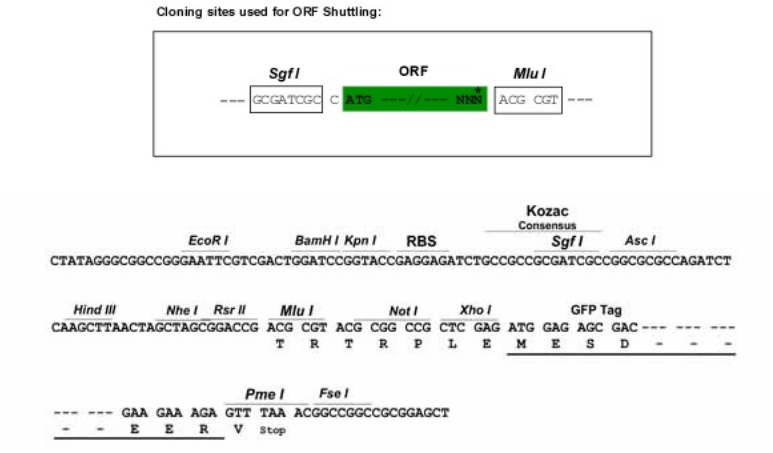
>RG212746 representing NM_003396
Red=Cloning site Green=Tags(s)

MRPPPALALAGLCLLALPAAAASYFGLTGREVLTPFPGLGTAAAPAQGGAHLKQCDLLKLSRRQKQLCRR
EPGLAETLRDAAHLGLLECQFQFRHERWNCSLEGRMGLLKRGFKETAFLYAVSSAALTHTLARACSAGRM
ERCTCDDSPGLESRQAWQWGVCGDNLKYSTKFLSNFLGSKRGNKDLRARADAHNTHVGIKAVKSGLRTTC
KCHGVSGSCAVRTCWKQLSPFRETGQVLKLRYDSAVKVSSATNEALGRLELWAPARQGSLTKGLAPRSGD
LVYMEDSPSFCRPSKYSPGTAGRVCSREASCSSLCCGRGYDTQSRLVAFSCHCQVQWCCYVECQQCVQEE
LVYTCKH

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_003396

ORF Size: 1071 bp

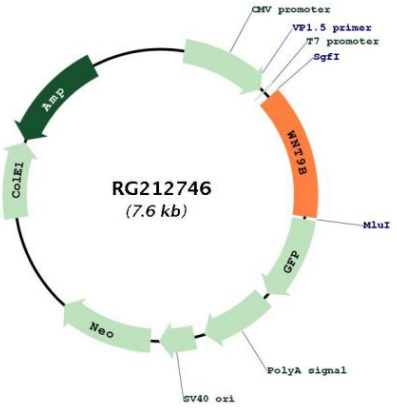
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_003396.3
RefSeq Size:	1464 bp
RefSeq ORF:	1074 bp
Locus ID:	7484
UniProt ID:	O14905
Cytogenetics:	17q21.32
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. 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]

Product images:



Circular map for RG212746