

## Specifications:

|                |                  |
|----------------|------------------|
| Gene:          | <i>h</i> WNT2B   |
| Accession:     | NP_078613.1      |
| Insert size:   | 1189bp           |
| Concentration: | 10µg at 0.2µg/µL |

## *h*Wnt-2B cDNA Plasmid

**WNT2B Wnt family member 2B**  
[ *Homo sapiens* (human) ]

**Also known as:** WNT13

### Summary:

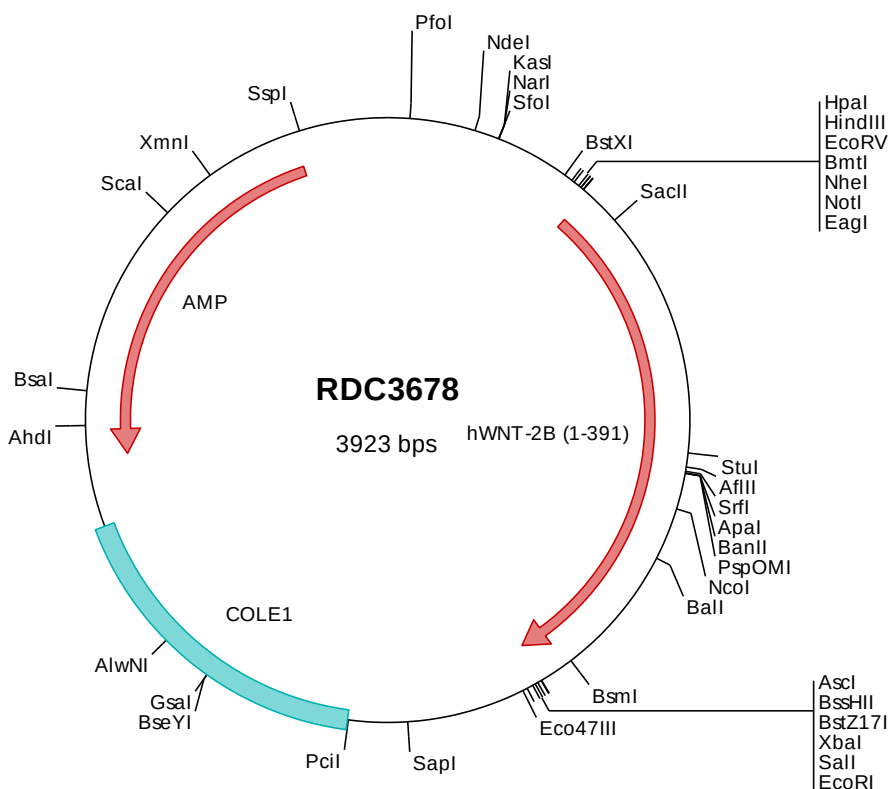
WNT2B is a member of the wingless-type MMTV integration site (WNT) family of highly conserved, secreted signaling factors. WNT family members function in a variety of developmental processes including regulation of cell growth and differentiation and are characterized by a WNT-core domain. WNT2B may play a role in human development as well as carcinogenesis. Alternative splicing results in multiple transcript variants.

## Description

This shuttle vector contains the complete ORF for the gene of interest, along with a Kozak consensus sequence for optimal translation initiation. It is inserted NotI to AscI. The gene insert is flanked with convenient multiple cloning sites which can be used to easily cut and transfer the gene cassette into your desired expression vector.

## Preparation and Storage

|             |                                                                     |
|-------------|---------------------------------------------------------------------|
| Formulation | cDNA is provided in 10 mM Tris-Cl, pH 8.5                           |
| Shipping    | Ships at ambient temperature                                        |
| Stability   | 1 year from date of receipt when stored at -20°C to -80°C           |
| Storage     | Use a manual defrost freezer and avoid repeated freeze-thaw cycles. |



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

## > RDC3678 Plasmid DNA Sequence

```

1   tcgcgcgcttt cggatgatgac ggtgaaaacc tctgacacat gcagctcccc gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagcccg
101  tcaggggcgcg tcagcgggtg ttggcgggtg tcggggctgg ctttaactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gtgtgaaata
201  ccgcacacgat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctcgcg aactgttggg aagggcgatc ggtgcgggcc tcttcgctat
301  tacgccagctt ggcgaaaggg ggaatgtgtg caaggcgatt aagttgggta acgccagggt tttcccagtc acgacgttgt aaaacgacgg ccagtgatt
401  ggagacgtgt taacaagctt ggatccgata tcgctagcgc ggccgcccacc atgctaagac cgggtggtgc ggaggaagct gcgcagctcc cgcttcggcg
501  ggccagcgccc ccggtccctg tcgcgtcgcc cgcggccccc gacggctccc gggtctcgcc ccgcctaggt cttgcctgcc tctgtctcct gctgctgctg
601  acgctgcggg ccgcggtaga caagtcctgg ttgtacattg gggcaactgg ggcacagatg atctgtgaca atateccctgg tttggtgagc cgcgagcggc
701  agctgtgcca gcgttaccca gacatcatgc gttcagtggg cgagggtgcc cgagaatgga tccgagagtg tcagcaccaa ttcggccacc accgctggaa
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901  gtccacgcta ttaactcgcc ctgtagccag ggtgaactga gtgtgtgcag ctgtgacccc tacacccctg gcgcacacca tgaccagcgt ggggaactttg
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1801 gagctaactc acattaattg cgttgcgctc ttcgcccgtc ctccagtcgg gaaacctgtc gtgcagctg cattaatgaa tcggccaacg cgcggggaga
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2001 taatcacggt atccacagaa tcaggggata acgcagaaaa gaacatgtga gcaaaaggcc agcaaaaggc caggaaacctg aaaaaggccc cgttgtctgc
2101 ttttttccat aggtctcgcc ccctgacga gcatcacaaa aatcgacgtc caagtcagag gtggcgaaac cgcacaggac tataaagata ccaggcgctt
2201 ccccttgaaa gcctccctgt gcgtctctct tgcgcgacct tgcgcgcttcc cgcataacctg cgcataacctg tcccttcggg aagcgtggcg ctttctcaat
2301 gctcacgctg taggtatctc agttcggtgt aggtcggttc ctccaagctg ggctgtgtgc acgaaccccc cgttcagccc gaccgctgcg ccttatccgg
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3001 gcgagaccga cgtccaccgg ctccagattt atcagcaata aaccagccag cgggaaggcc cgagcgcaaga agtggtcctg caactttatc cgctccatc
3101 cagtctatta attgttgcg ggaagctaga gtaagtgtt cgccagttaa tagtttgcg aacgttgttg ccattgtctac aggcacgtg gtgtcacgct
3201 cgtcgttttg tatggttca ttcagctccg gttcccaacg atcaaggcga gttacatgat ccccatgtt gtgcaaaaaa gcggttagct ccttcgggtc
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3401 tctgtgactg gtgagtactc aaccaagtca tcttgagaat agtgtatgag gcgaccgagt tgctcttgcc cggcgtcaat acgggataat accgcgccac
3501 atagcagaac tttaaaagt ctcacattg gaaaacgttc ttcggggcga aaactctcaa ggtgagcaaa gctgttgaga tccagttcga tgtaacccac
3601 tcgtgcaacc aactgatctt cagcatcttt taactttcac agcgtttctg ggtgagcaaa caaaatgccg caaaaaggg aataaggcg
3701 acacggaaat gttgaatact catactcttc ctttttcaat attattgaag catttatcag ggttattgtc tcatgagcgg atacataattt gaatgtattt
3801 agaaaaataa acaaataggg gttccgcgca catttccccg aaaagtgcca cctgacgtct aagaaacctt tattatcatg acattaacct ataaaaatat
3901 gcgtatcacg aggccttttc gtc

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## > RDC3678 Translated Insert Sequence

```

1   mlrpggaeaa aqlplrrasa pvpvpspaap dgsrasarlq lac111111 tlpavrdtsw wyigalgarv icdnipglvs rqrqlcqryp dimsvgega
101  rewirecqhq frhrhwnctt ldrdhtvfgr vmllsrreaa fvyaiassagv vhaitracsq gelsvcscdp ytrgrhhdqr gdfdwggcsd nihygvrfak
201  afvdakekrl kdaralmlnl nnrcgrtavr rflkleckch gvsqscrlrt cwralsdfrt tgdyllrryd gavqvmatqd ganftaarqg yrratrtdlv
301  yfdnspdycv ldkaagslgt agrvcsktsk gtdgceimcc grgydtrvt rvtqceckfh wccavrckec rntvdvhtck apkkaewldq t

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