*h*Wnt-1 VersaClone cDNA

Catalog Number: RDC3801

Specifications:

Gene:	*h*WNT1
Accession:	NP_005421.1
Insert size:	1126bp
Concentration:	10µg at 0.2µg/µL

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

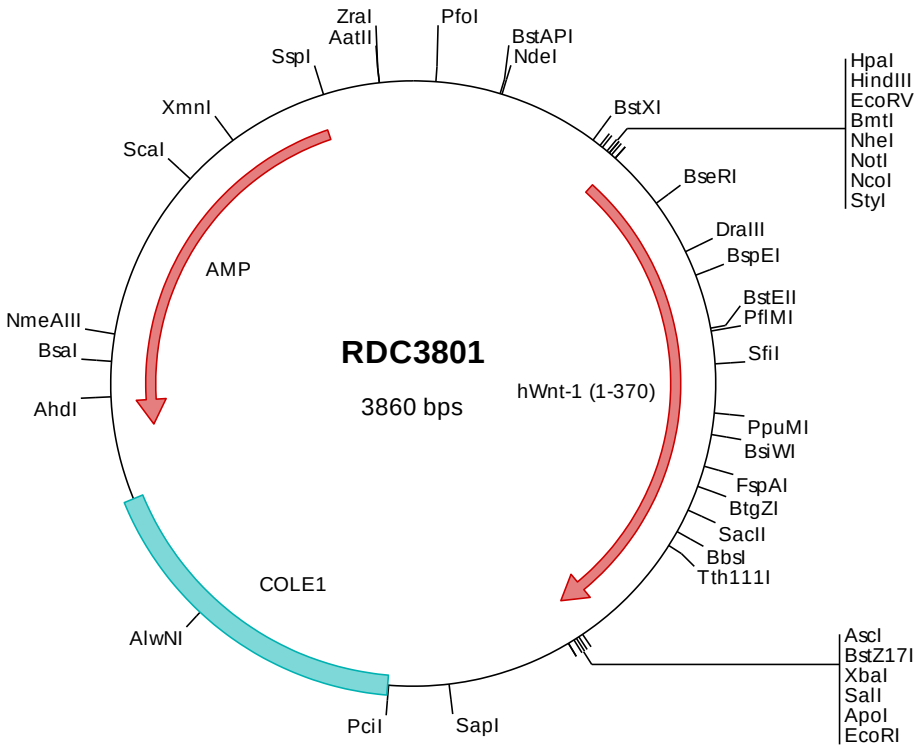
Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

*h*Wnt-1 cDNA Plasmid

WNT1 Wnt family member 1
[*Homo sapiens* (human)]

Also known as: INT1; OI15; BMND16

Summary:
Wnt1 enables cytokine activity and protein domain specific binding activity. It is involved in several processes, including astrocyte-dopaminergic neuron signaling, central nervous system development, and regulation of transcription. Wnt1 acts upstream of or within several processes, including animal organ development, regulation of cellular protein metabolic process, and ubiquitin-dependent SMAD protein catabolic process. It is located in cell surface and extracellular region and is expressed in several structures, including alimentary system, central nervous system, early conceptus, embryo ectoderm, and genitourinary system.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC3801 Plasmid DNA Sequence

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   1  tcgcgcgttt cggtgatgac ggtgaaaacc tctgacacat gcagctcccg gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagcccg
 101  tcagggcgcg tcagcgggtg ttggcgggtg tcggggctgg cttaactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gtgtgaaata
 201  ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aagggcgatc ggtgcgggcc tcttcgctat
 301  tacgccagct ggcgaaaggg ggatgtgctg caaggcgatt aagttgggta acgccagggt tttcccagtc acgacgttgt aaaacgacgg ccagtgaatt
 401  ggagacgtgt taacaagctt ggatccgata tcgctagcgc ggccgccacc atggggctct gggcactgtt gcctggctgg gtttctgcta cgctgctgct
 501  ggcgctggcc gctctgcccg cagccctggc tgccaacagc agtggccgat ggtggggtat tgtgaacgta gcctcctcca cgaacctgct tacagactcc
 601  aagagtctgc aactggtact cgagcccagt ctgcagctgt tgagccgcaa acagcggcgt ctgatacgcc aaaatccggg gatcctgcac agcgtgagtg
 701  gggggctgca gagtgccgtg cgcgagtgca agtggcagtt ccggaatcgc cgctggaact gtcccactgc tccagggccc cacctcttcg gcaagatcgt
 801  caaccgaggc tgtcgagaaa cggcgtttat cttcgctatc acctccgccg gggtcaccca ttcggtggcg cgctcctgct cagaaggttc catcgaatcc
 901  tgcacgtgtg actaccggcg gcgcggcccc gggggccccg actggcactg gggggctgtc agcgacaaca ttgacttcgg ccgcctcttc ggccgggagt
1001  tcgtggactc cggggagaag gggcgggacc tgcgcttcct catgaacctt cacaacaacg aggcaggccg tacgaccgta ttctccgaga tgcgccagga
1101  gtgcaagtgc cacgggatgt ccggctcatg cacggtgcgc acgtgctgga tgcggctgcc cacgctgcgc gccgtgggcg atgtgctgcg cgaccgcttc
1201  gacggcgcct cgcgcgtcct gtacggcaac cgcggcagca accgcgcttc gcgggcggag ctgctgcgcc tggagccgga agacccggcc cacaaaccgc
1301  cctccccca cgacctcgtc tacttcgaga aatcgcccaa cttctgcacg tacagcggac gcctgggcac agcaggcacg gcagggcgag cctgtaacag
1401  ctcgtcgccc gcgctggacg gctgcgagct gctctgctgc ggcaggggcc accgcacgcg cacgcagcgc gtcaccgagc gctgcaactg caccttccac
1501  tggtgctgcc acgtcagctg ccgcaactgc acgcacacgc gcgtactgca cgagtgtctg taaaggcgcg ccagtatact ctagagtcga cacccgggga
1601  attcctcgag cgctcgtctc tagcttggcg taatcatggt catagctgtt tcctgtgtga aattgttatc cgctcacaat tccacacaac atacgagccg
1701  gaagcataaa gtgtaaagcc tggggtgcct aatgagtgag ctaactcaca ttaattgcgt tgcgctcact gcccgctttc cagtcgggaa acctgtcgtg
1801  ccagctgcat taatgaatcg gccaacgcgc ggggagaggc ggtttgcgta ttgggcgctc ttccgcttcc tcgctcactg actcgctgcg ctcggtcgtt
1901  cggctgcggc gagcggtatc agctcactca aaggcggtaa tacggttatc cacagaatca ggggataacg caggaaagaa catgtgagca aaaggccagc
2001  aaaaggccag gaaccgtaaa aaggccgcgt tgctggcgtt tttccatagg ctccgccccc ctgacgagca tcacaaaaat cgacgctcaa gtcagaggtg
2101  gcgaaacccg acaggactat aaagatacca ggcgtttccc cctggaagct ccctcgtgcg ctctcctgtt ccgaccctgc cgcttaccgg atacctgtcc
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2401  taacaggatt agcagagcga ggtatgtagg cggtgctaca gagttcttga agtggtggcc taactacggc tacactagaa ggacagtatt tggtatctgc
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2601  agattacgcg cagaaaaaaa ggatctcaag aagatccttt gatcttttct acggggtctg acgctcagtg gaacgaaaac tcacgttaag ggattttggt
2701  catgagatta tcaaaaagga tcttcaccta gatcctttta aattaaaaat gaagttttaa atcaatctaa agtatatatg agtaaacttg gtctgacagt
2801  taccaatgct taatcagtga ggcacctatc tcagcgatct gtctatttcg ttcatccata gttgcctgac tccccgtcgt gtagataact acgatacggg
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3001  gcgcagaagt ggtcctgcaa ctttatccgc ctccatccag tctattaatt gttgccggga agctagagta agtagttcgc cagttaatag tttgcgcaac
3101  gttgttgcca ttgctacagg catcgtggtg tcacgctcgt cgtttggtat ggcttcattc agctccggtt cccaacgatc aaggcgagtt acatgatccc
3201  ccatgttgtg caaaaaagcg gttagctcct tcggtcctcc gatcgttgtc agaagtaagt tggccgcagt gttatcactc atggttatgg cagcactgca
3301  taattctctt actgtcatgc catccgtaag atgcttttct gtgactggtg agtactcaac caagtcattc tgagaatagt gtatgcggcg accgagttgc
3401  tcttgcccgg cgtcaatacg ggataatacc gcgccacata gcagaacttt aaaagtgctc atcattggaa aacgttcttc ggggcgaaaa ctctcaagga
3501  tcttaccgct gttgagatcc agttcgatgt aacccactcg tgcacccaac tgatcttcag catcttttac tttcaccagc gtttctgggt gagcaaaaac
3601  aggaaggcaa aatgccgcaa aaaagggaat aagggcgaca cggaaatgtt gaatactcat actcttcctt tttcaatatt attgaagcat ttatcagggt
3701  tattgtctca tgagcggata catatttgaa tgtatttaga aaaataaaca aatagggggtt ccgcgcacat ttccccgaaa agtgccacct gacgtctaag
3801  aaaccattat tatcatgaca ttaacctata aaaataggcg tatcacgagg ccctttcgtc
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> RDC3801 Translated Insert Sequence

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 101  rwncptapgp hlfgkivnrg cretafifai tsagvthsva rscsegsies ctcdyrrrgp ggpdwhwggc sdnidfgrlf grefvdsgek grdlrflmnl
 201  hnneagrttv fsemrqeckc hgmsgsctvr tcwmrlptlr avgdvlrdrf dgasrvlygn rgsnrasrae llrlepedpa hkppsphdlv yfekspnfct
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