

Specifications:

Gene:	<i>mWnt8b</i>
Accession:	NP_035850.2
Insert size:	1066bp
Concentration:	10µg at 0.2µg/µL

mWnt-8B cDNA Plasmid

Wnt8b wingless-type MMTV integration site family, member 8B [*Mus musculus* (house mouse)]

Summary:

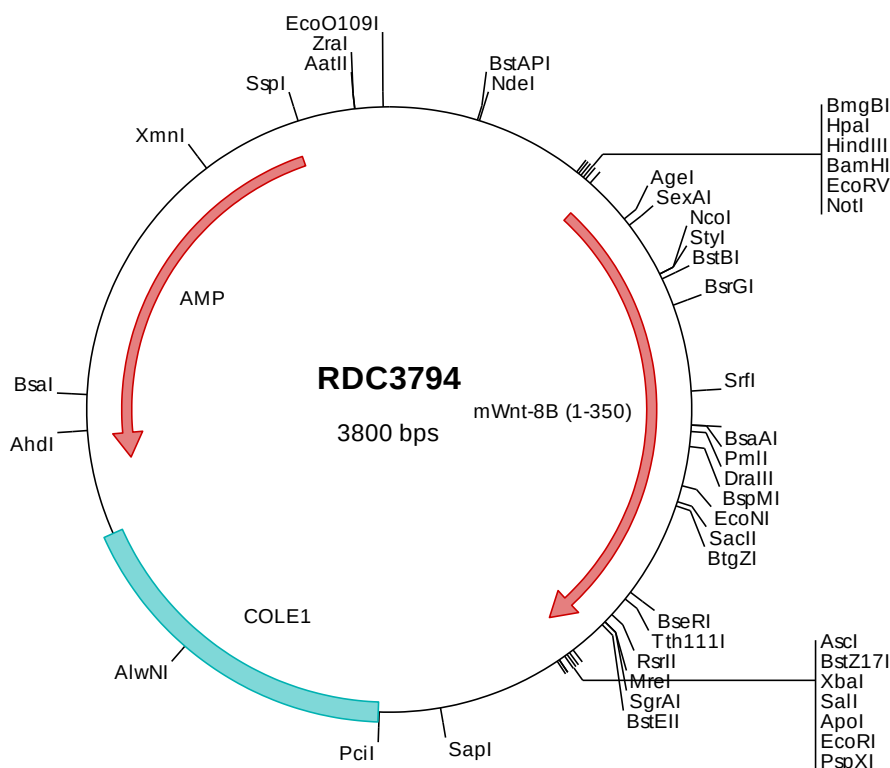
WNT8B is a member of the WNT gene family. The WNT gene family consists of structurally related genes which encode secreted signaling proteins. These proteins have been implicated in oncogenesis and in several developmental processes, including regulation of cell fate and patterning during embryogenesis. The expression patterns of the human and mouse genes appear identical and are restricted to the developing brain.

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.



> RDC3794 Plasmid DNA Sequence

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1   tcgcgcgctt cggatgatgac ggtgaaaacc tctgacacat gcagctcccc gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagcccc
101  tcagggcgcg tcagcgggtg ttggcgggtg tcggggctgg cttactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gtgtgaaata
201  ccgcacacgat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aagggcgatc ggtgcgggcc tcttcgctat
301  tacgccagct ggcgaaaggg ggatgtgtcg caaggcgatt aagttgggta acgccagggt tttcccagtc acgacgttgt aaaacgacgg ccagtgaatt
401  ggagacgtgt taacaagctt ggatccgata tcgctagcgc ggcggccacc atgtttctta tgaagcccg gtgcgttctt ctactccagt agcgtggccg ctggcgccca gagtgttatt
501  ccgcacgcac gcctcgttcag tgaacaattt tctgatgacc ggtccaaaag cttacctggt ctactccagt agcgtggccg ctggcgccca gagtgttatt
601  gaagaatgta aataaccagt tgcctgggac cgttgggaatt gccccgagag agctttacag ctgtccagcc atgtgtgact tcgaagcgct aaccgggaga
701  cagcatttgt gcacgcacac agctctgctg gggttatgta caccctgact agaaactgca gcctcggaga ctttgacaac tgtggctgtg atgactcccg
801  aaatggacag ctgggggggc aaggttggct ctggggaggc tgcagtgaca acgtgggctt cggagaggca atttccaagc agtttgtgga tgcctcgag
901  acaggacaag atgcccgggc agccatgaat ctgcacaaca acgaggctgg ccgcaaggcg gtcaagggca ccatgaaacg cacgtgtaag tgccacgggt
1001  tgctcggtag ctgcacacac agctctgctg gggttatgta caccctgact agaaactgca gcctcggaga ctttgacaac tgtggctgtg atgactcccg
1101  ggacctactg caggggcgcg gcaacagcgc ggcggggcgc ggcgccatcg ccgacacctt ccgctccatc tccacacgcg agctggtgca tctggaggac
1201  tccccagact actgctgga gaacaagacc ctggggctgc tgggcaccga gggcgagag gggcgagag tgtctgcgac gcggacgcgc cctgggtgcg tgggagcgcc
1301  cagcttgtcg ccgctgtgct ggggactgct ggcagtcggt ggagcggcgc cgcgcgaga cagtgtccag ctgcaactgc aagtttcaat ggtgctgcgc
1401  ggtccgctgc gagcagtgcc gccggcgggt caccagtagt ttttgcagcc gcgcagaaag gcgcgccaga ggcgctgcgc acaaacgggg aaagaactcc
1501  taaaggcgcg ccagtatact ctgagtgca caccgggga attcctcgag cgctcgtctc tagcttggcg taatcatggt catagctgtt tctgtgtgta
1601  aattgtttatc cgctcaaat tccacacaac atacgagccg gaagcataaa gtgtaaagcc tggggtgctt aatgagttag ctaactcaca ttaattgcgt
1701  tgcgctcact gcccgctttc cagtccggaa acctgtcgtg ccagctgcat taatgaatcg gccaacgcgc ggggagagcg ggtttgcgta ttgggcgctc
1801  ttccgcttcc tcgctcactg atcgtctgct cctggctggt cggtcgcgc gagcggatc agctcactca aaggcggtaa cagcgttacc cacagaatca
1901  ggggataaac caggaagaa catgtgagca aaaggccagc aaaaggccag gaaccgtaaa aaggccgcgt tctccatagg ctccgcccc
2001  tgcacgagca tcacaaaaat cgacgctcaa gtccagaggt gcgaaacccg acagacttat aaagatacca ggcgtttccc cctggaagct cctcgtgcg
2101  ctctcctggt ccgacctgc ccgttaccgg atacctgtcc gccctttccc ctccgggaag cgtggcgctt tctcaatgct cactgtgtag gtatctcagt
2201  tcggtgttag tcgttgcctc caactgggac agctgtgacg aacccccctg tcagcccgac tcagcccgct tatcgtgtaa ctatcgtctt gatgccaaac
2301  cggtaagaca cgacttatcg ccactggcag cagccactgg taacaggatt agcagagcga ggtatgtagg cggtgctaca gagtcttga agtggtggcc
2401  taactacggc tacactagaa ggacagtatt tggatatgca gctctgctga agccagttac cttcggaaaa agagtgtgta gctcttgatc cggcaacaa
2501  accaccgctg gtacgggtgg tttttttgtt tgcaagcagc agattacggc cagaaaaaaa ggatctcaag aagatccctt gatcttttct acggggtctg
2601  acgctcagtg gaacgaaaaa tcacgttaag ggattttgtt catgagatta tcaaaaaagg tcttcaccta gatcctttta aattaaaaat gaagttttaa
2701  atcaatctaa agtatatatg agtaaaactt gctgacagt taccatgtct taatcagtga tgcaacctatc tcagcgatct gctatttctg ttcatccata
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2901  cagattttatc agcaataaac cagccagccg gaaggccga ggcgagaagt ggtcctgcaa ctttatccgc ctccatccag tctattaatt gttgccggga
3001  agctagagta agtagttcgc cagttaatag tttgcgcaac gttgttgcca ttgctacagg catcgtggtg tcacgctcgt cgtttggtat ggcttcattc
3101  agctccggtt cccaacgac aaggcgagtt acatgatccc ccatgttgtg caaaaaagcg gttagctcct tcggtcctcc gatcgtgtgc agaagtaagt
3201  tggccgcagt gttatcactc atggttatgg cagcactgca taattctctt actgctatgc catccgtaag atgcttttct gtgactgggt agtactcaac
3301  caagtcaatt tgagaatagt gtatgcggcg accgagttgc tcttgccccg gataaatacc gcgccacata gcagaacttt aaaagtgtct
3401  atcattggaa aacgttcttc ggggcgaaaa ctctcaagga tcttaccgct gttgagatcc agttcgatgt aacccactcg tgcacccaac tgatcttcag
3501  catcttttcc tttcaccagc gtttctgggt gagcaaaaac aggaaggcaa aatgcccga aaaagggaat aagggcgaca cggaaatggt gaatactcat
3601  actcttccct tttcaatatt attgaagcat ttatcagggt tattgtctca tgagcggata catatttgaa tgtatttaga aaaataaaca aatagggttt
3701  ccgcgcacat ttccccgaaa agtgccacct gacgtctaag aaaccattat tatcatgaca ttaacctata aaaataggcg tatcacagg ccctttcgtc

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> RDC3794 Translated Insert Sequence

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1   mflmkpvcvl lvtcvlhrsh awsvnnflmt gpkaylvysv svaagaqsgv eekyqfawd rwnccperalq lsshgglrsa nretafvhai ssagvmytlt
101  rnclsgdfdn cgcdsrsngq lggggwlwgg csdnvfggea iskqfvdale tgqdaraamn lhnneagrka vkgtmkrtck chgvsgscctt qtcwlqlpef
201  revgahlkek yhaalkvdll qgagnsaagr gaiadtfrsi strelvhled spdyclenkt lglgtgre clrrgralgr werrscrllc gdcglaveer
301  raetvsscnc kfhwcavrc eqcrrrvtky fcsraerppr gaahkpgkns

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