*m*Wnt-5B VersaClone cDNA

Catalog Number: RDC3725

Specifications:

Gene:	*m*Wnt5b
Accession:	AAH10775.1
Insert size:	1132bp
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

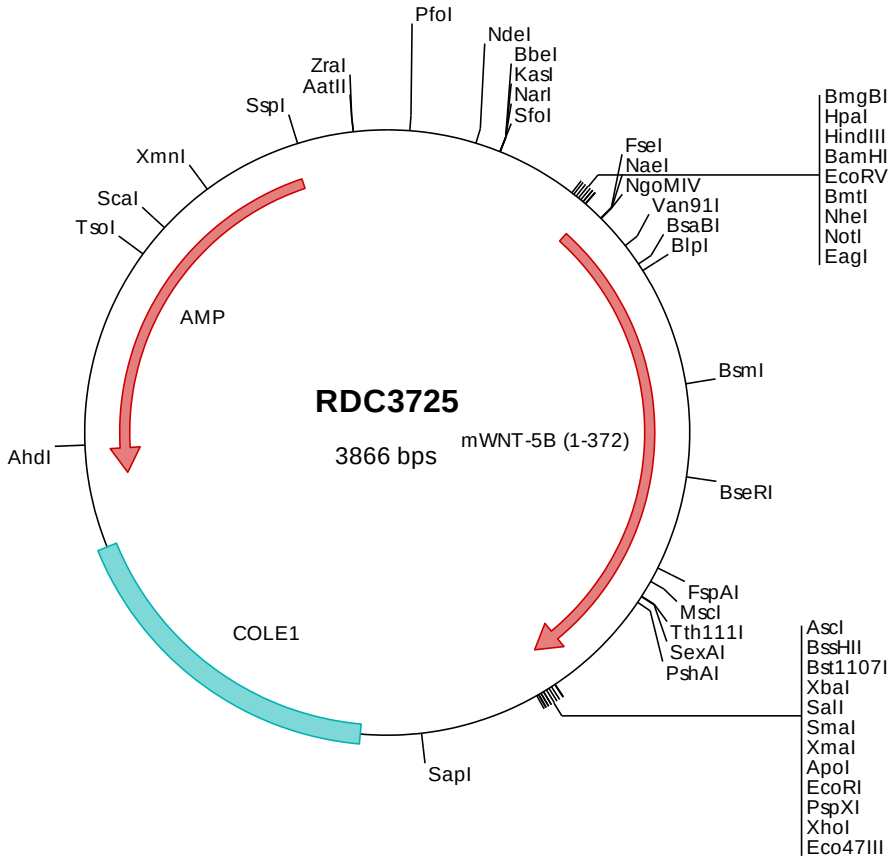
Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

*m*Wnt-5B cDNA Plasmid

Wnt5b wingless-type MMTV integration site family, member 5B [*Mus musculus* (house mouse)]

Also known as: Wnt-5b

Summary:
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. Wnt-5B is a member of the WNT gene family. Wnt-5B shows 94% and 80% amino acid identity to the mouse Wnt5b protein and the human WNT5A protein, respectively. Alternative splicing of Wnt-5B generates 2 transcript variants.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

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> RDC3725 Plasmid DNA Sequence

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 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 atgttggtcc cagggcattg ggatgggttg aggccggcca tgcccagcct
 501  gctgctggtg gtcgtggcag ctctgctctc cagctgggca cagctgctga ctgacgccaa ctcctggtgg tcactagctc tgaacccagt gcagagaccg
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 701  acatcgggga gggagccaag acgggcatca gagagtgcca acaccagttt cgacagaggc gctggaactg cagcaccgtg gacaacacat ctgtctttgg
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1701  gagccggaag cataaagtgt aaagcctggg gtgcctaatg agtgagctaa ctcacattaa ttgcgttgcg ctcactgccc gctttccagt cgggaaacct
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1901  gtcgttcggc tgcggcgagc ggtatcagct cactcaaagg cggtaatacg gttatccaca gaatcagggg ataacgcagg aaagaacatg tgagcaaaag
2001  gccagcaaaa ggccaggaac cgtaaaaagg ccgcgttgct ggcgtttttc cataggctcc gcccccctga cgagcatcac aaaaatcgac gctcaagtca
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2301  tgcacgaacc ccccgttcag cccgaccgct gcgccttatc cggtaactat cgtcttgagt ccaacccggt aagacacgac ttatcgccac tggcagcagc
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2701  tttggtcatg agattatcaa aaaggatctt cacctagatc cttttaaatt aaaaatgaag ttttaaatca atctaaagta tatatgagta aacttggtct
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2901  tacgggaggg cttaccatct ggccccagtg ctgcaatgat accgcgagac ccacgctcac cggctccaga tttatcagca ataaaccagc cagccggaag
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3701  cagggttatt gtctcatgag cggatacata tttgaatgta tttagaaaaa taaacaaata ggggttccgc gcacatttcc ccgaaaagtg ccacctgacg
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> RDC3725 Translated Insert Sequence

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 101  rqrrwncstv dntsvfgrvm qigsretaft yavsaagvvn aisracrege lstcgcsraa rpkdlprdwl wggcgdnvey gyrfakefvd arereknfak
 201  gseeqgralm nlqnneagrr avykmadvac kchgvsgscs lktcwlqlae frkvgdrlke kydsaaamri trqgklelan srfnqptped lvyvdpspdy
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