*m*Wnt-8A VersaClone cDNA

Catalog Number: RDC3734

Specifications:

Gene:	*m*Wnt8a
Accession:	NP_033316.2
Insert size:	1078bp
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

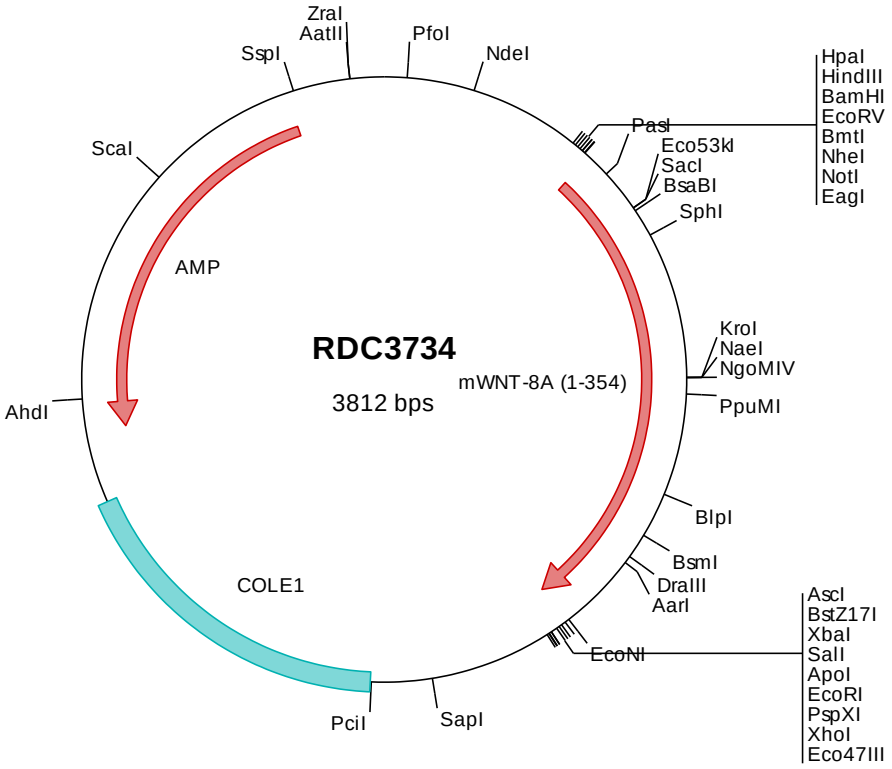
Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

*m*Wnt-8A cDNA Plasmid

Wnt8a wingless-type MMTV integration site family, member 8A [*Mus musculus* (house mouse)]

Also known as: Wnt8d; Stra11; Wnt-8A; Wnt-8D

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. WNT8A is a member of the WNT gene family and may be implicated in development of early embryos as well as germ cell tumors. Multiple alternatively spliced transcript variants have been found for WNT8A.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

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R&D SYSTEMS

> RDC3734 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 atgggacact tgttaatgct gtgggtggct gcgggcatgt gctatccagc
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 701  agacatcctt cattcatgcc atccgctctg ctgccatcat gtacgcagtc accaagaact gcagcatggg tgacttggaa aactgcggct gtgacgagtc
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 901  gagaaaggga aggatgccag agccctggtg aaccttcaca acaacagggc cggcagactg gcagtgaggg cctccacgaa aaggacctgc aagtgtcatg
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1801  tattgggcgc tcttccgctt cctcgctcac tgactcgctg cgctcggtcg ttcggctgcg gcgagcggta tcagctcact caaaggcggt aatacggtta
1901  tccacagaat caggggataa cgcaggaaag aacatgtgag caaaaggcca gcaaaaggcc aggaaccgta aaaggccgc gttgctggcg tttttccata
2001  ggctccgccc ccctgacgag catcacaaaa atcgacgctc aagtcagagg tggcgaaacc cgacaggact ataaagatac caggcgtttc cccctggaag
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2601  ctacggggtc tgacgctcag tggaacgaaa actcacgtta agggattttg gtcatgagat tatcaaaaag gatcttcacc tagatccttt taaattaaaa
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2801  cgttcatcca tagttgcctg actccccgtc gtgtagataa ctacgatacg ggagggctta ccatctggcc ccagtgctgc aatgataccg cgagacccac
2901  gctcaccggc tccagattta tcagcaataa accagccagc cggaagggcc gagcgcagaa gtggtcctgc aactttatcc gcctccatcc agtctattaa
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3701  caaatagggg ttccgcgcac atttccccga aaagtgccac ctgacgtcta agaaaccatt attatcatga cattaaccta taaaaatagg cgtatcacga
3801  ggccctttcg tc
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> RDC3734 Translated Insert Sequence

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 101  tkncsmgdle ncgcdesqng ktgghgwiwg gcsdnvefge kisrlfvdsl ekgkdaralv nlhnnragrl avrastkrtc kchgisgscs iqtcwlqlad
 201  frqmgnylka kydralkiem dkrqlragnr aegrwaltea flpsteaeli flegspdycn rnaslsiqgt egreclqnar sasrreqrsc grlctecglq
 301  veerraeavs scdcnfqwcc tvkcgqcrrv vsryyctrpv gsarprgrgk dsaw
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