

Specifications:

Gene:	<i>hWNT3</i>
Accession:	NP_110380.1
Insert size:	1081bp
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.

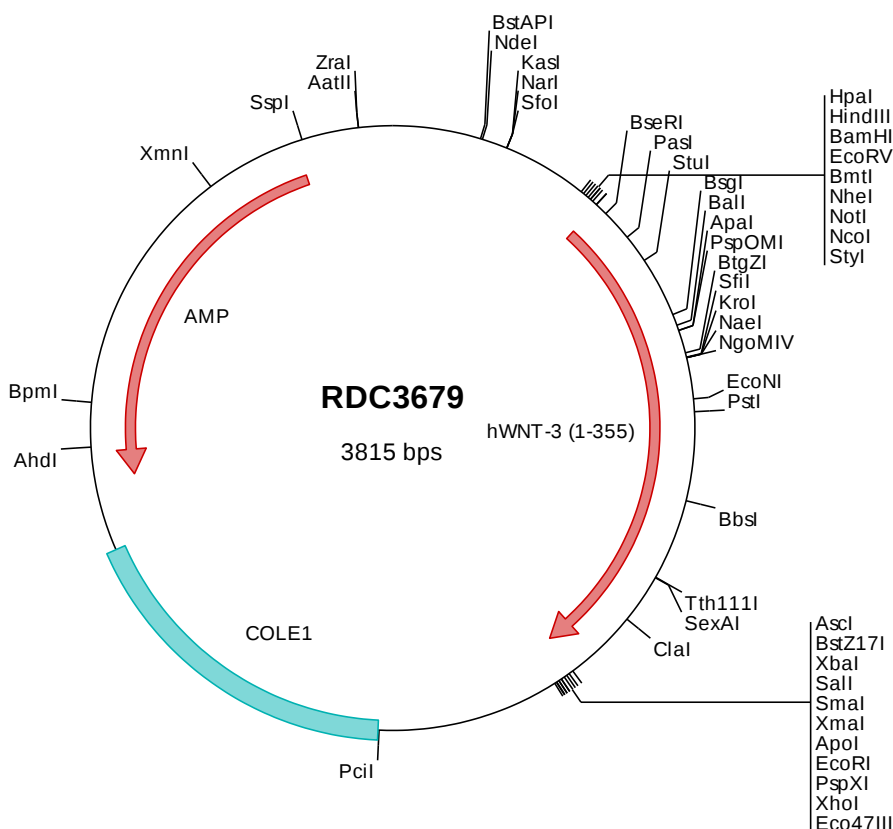
hWnt-3 cDNA Plasmid

WNT3 Wnt family member 3
[*Homo sapiens* (human)]

Also known as: INT4; TETAMS

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. WNT3 is a member of the WNT gene family. The mouse studies show the requirement of Wnt3 in primary axis formation in the mouse. Studies of the gene expression suggest that WNT3 may play a key role in some cases of human breast, rectal, lung, and gastric cancer through activation of the WNT-beta-catenin-TCF signaling pathway.



> RDC3679 Plasmid DNA Sequence

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1   tcgcgcgctt cggatgatgac ggtgaaaacc tctgacacat gcagctcccc gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagcccg
101  tcaggggcgc tcagcgggtg ttggcgggtg tcggggctgg ctttaactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gtgtgaaata
201  ccgcacacgat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aagggcgatc ggtgcgggcc tcttcctat
301  tacgccagct ggcgaaaggg ggaatgtctg caaggcgatt aagttgggta acgccagggt tttcccagtc acgacgttgt aaaacgacgg ccagtgaatt
401  ggagacgtgt taacaagctt ggaatcgata tcgctagcgc ggccgcacac atggagcccc acctgctcgg gctgctcttc ggctctctgc tccgtggcac
501  cagggtctctc gctggctacc caatttggtg gtccctggcc ctgggccacg agtacacatc tctgggtcca cagccctcgc tctgcgcttc catccaggcc
601  ctggtcccca agcaactgcg cttctgcgcg aattacatcg agatcatgcc cagcgtggcc gagggcgctga agctgggcat ccaggagtgc cagcaccagt
701  tcgggggcgc ccgctgggaa tgcaaccaca tagatgacag cctggccatc tttgggcccc tcctcgacaa agccaccgcg gactggccct tctgtcacgc
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> RDC3679 Translated Insert Sequence

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201  hmhlkckchg lsgscevktc wwaqpdfrai gdfldkdyds asemvvekhr esrgwvetlr akyslfkppt erdlvyyens pnfcepnpet gsfgrtdrtc
301  nvtshgidgc dl1ccgrghn trtekrkek hcfhwccyv scqeciriyd vhtck

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