

## Specifications:

Gene:	hWNT3A
Accession:	NP_149122.1
Insert size:	1072bp
Concentration:	10µg at 0.2µg/µL

## hWnt-3A cDNA Plasmid

### WNT3A Wnt family member 3A [ *Homo sapiens* (human) ]

#### Summary:

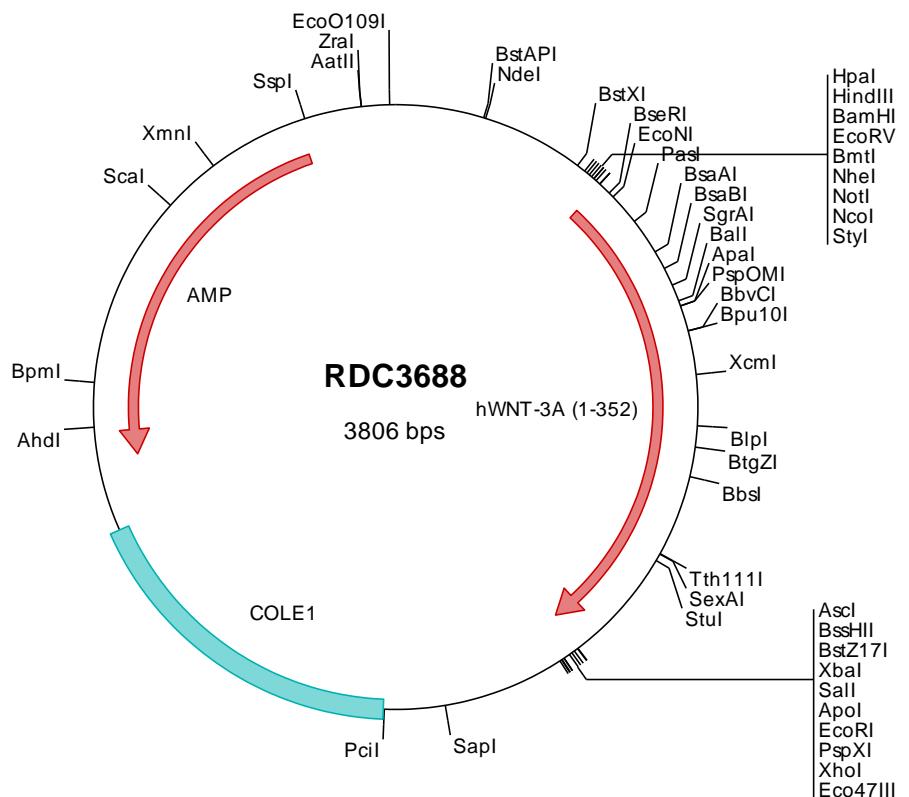
The WNT gene family consists of structurally related genes which encode secreted signaling proteins. These proteins have been implicated in oncogenesis and in several developmental processes, including regulation of cell fate and patterning during embryogenesis. WNT3A is a member of the WNT gene family. It shows 96% amino acid identity to mouse Wnt3A protein, and 84% to human WNT3 protein, another WNT gene product. WNT3A is clustered with WNT14 gene, another family member, in chromosome 1q42 region.

## 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.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC3688 Plasmid DNA Sequence

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1 tcgctgcttt cggatgatgac ggtgaaaacc totgacacat gcagctcccc gagacgggtca cagcttgtct gtaagcggat gccgggagca gacaagcccc
101 tcaggggcgcg tcagcgggtg ttggcgggtg tcggggctgg cttactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gtgtgaaata
201 ccgcacacgat gcgtaaggag aaaataccgc atcaggcgcc attgccatt caggctcgcg aactgttggg aagggcgatc ggtgcgggcc tcttcgctat
301 tacgcccagct ggcgaaaagg ggatgtgctg caagycgatt aagttgggta acgccagggt ttcccagtc acgacgttgt aaaacgacgg ccagtgaatt
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3701 ggggttccgc gcacatttcc ccgaaaagtg ccacctgacg tctaagaaac cattattatc atgacattaa cctataaaaa taggcgtatc acgaggccct
3801 ttcgtc

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> RDC3688 Translated Insert Sequence

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1 maplgyflll cslkqalgsy piwvslavgp qysslgsqpl lcasipglvp kqlrfcrnyv eimpsvaegi kigiqecqhq frgrwrnctt vhdslaiifgp
101 vldkatresa fhaiasagv afavtrscac gtaaicgcss rhqgspgkgw kwggcsedie fggmvsrefa darenrpdar samnrhnea grqaiashmh
201 lkckchglsg scevktcws qpdfraigdf lkdkydsase mvvekhresr gwvetlrpry tyfkvpterd lvyeeaspnf cepnptgtsf gtrdrctnvs
301 shgidgcdll ccgrghnara errekerercv fhwccvyscq ectrvydvht ck

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