

Specifications:

Gene:	hWNT10A
Accession:	NP_079492.2
Insert size:	1267bp
Concentration:	10µg at 0.2µg/µL

hWnt-10A cDNA Plasmid

**WNT10A Wnt family member
10A [*Homo sapiens* (human)]**

Also known as: OODD; SSPS;
STHAG4

Summary:

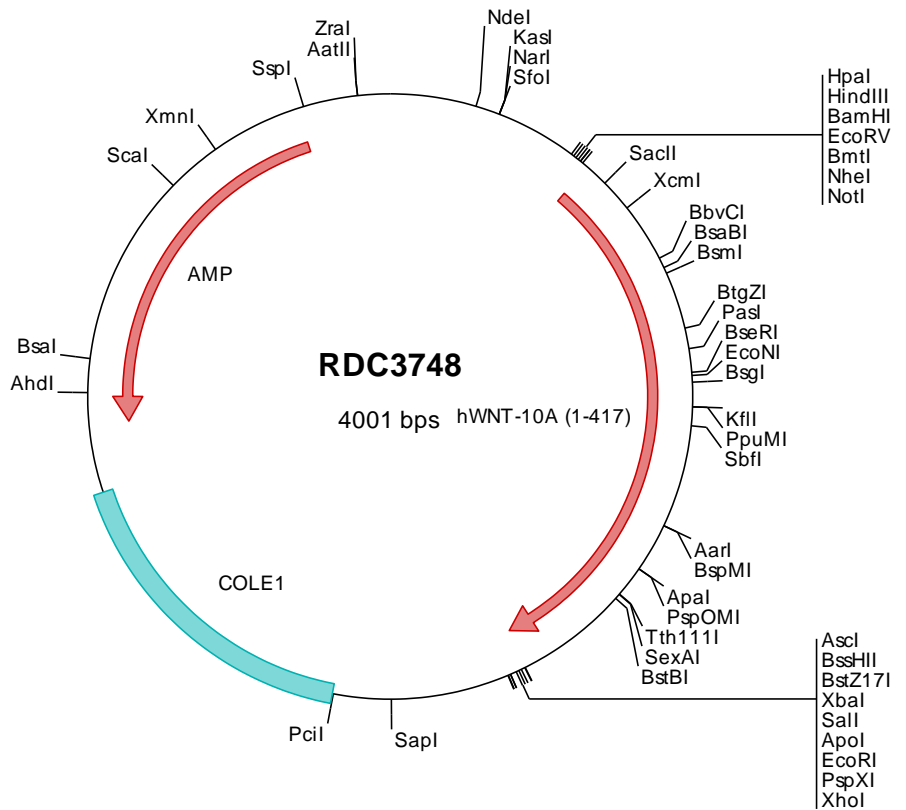
Wnt10a is predicted to enable cytokine activity and frizzled binding activity. It acts upstream of or within neural crest cell differentiation, positive regulation of gene expression, and regulation of odontogenesis of dentin-containing tooth. Wnt10a is predicted to be located in the extracellular region and active in the extracellular space. It is expressed in several structures, including alimentary system, brain, genitourinary system, integumental system, and sensory organ. Human ortholog(s) of Wnt10a are implicated in Schopf-Schulz-Passarge syndrome, ectodermal dysplasia, and tooth agenesis. It is orthologous to human WNT10A (Wnt family member 10A).

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.



> RDC3748 Plasmid DNA Sequence

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1 tcgctgcttt cggatgatgac ggtgaaaacc totgacacat gcagctcccg gagacgggtca cagcttgtct gtaagcggat gccgggagca gacaagcccg
101 tcagggcgcg tcagcgggtg ttggcgggtg tcggggctgg cttactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gttgaaata
201 ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attgccatt caggctcgcg aactgttggg aagggcgatc ggtcgggcc tcttcctat
301 tacgcccagt ggcgaaaagg ggatgtgctg caaggcgatt aagttgggta acgccagggt tttcccagtc acgacgttgt aaaacgacgg ccagtgaatt
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501 gccgcccaca gcctctctggg tgcctctggt ctctctactg ctgctggctg ctgccatgcc caggctcagca cccaatgaca tctctgacct ccgctcccc
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401 c

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> RDC3748 Translated Insert Sequence

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1 mgsahprpwl rlrpqqrprp alwvllffll llaaamprsa pndildrlip pepvlnantv cltlpqlsrr qmevvrhpd vaasaiqqiq iaihecqhqf
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201 aspplqdswe wggcspdmgf gerfskdfld srephrdiha rmrlhnrvg rgavmenmrr kckchgtsgs cqlktcwqvt pefrtvgall rsrfhratli
301 rphnrnggql epgpagapsp appagpprrr aspadlvyfe kspdfcerep rldsagtivr lcnkssagsd gcgsmccgrg hnllrqrtrse rchcrfhwcc
401 fvvceecrit ewvsck

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