

Specifications:

Gene:	hCCN4
Accession:	NP_003873.1
Insert size:	1117bp
Concentration:	10µg at 0.2µg/µL

hWISP-1/CCN4 cDNA Plasmid

CCN4 cellular communication network factor 4 [*Homo sapiens* (human)]

Also known as: WISP1; WISP1c; WISP1i; WISP1tc; WISP1-OT1; WISP1-UT1

Summary:

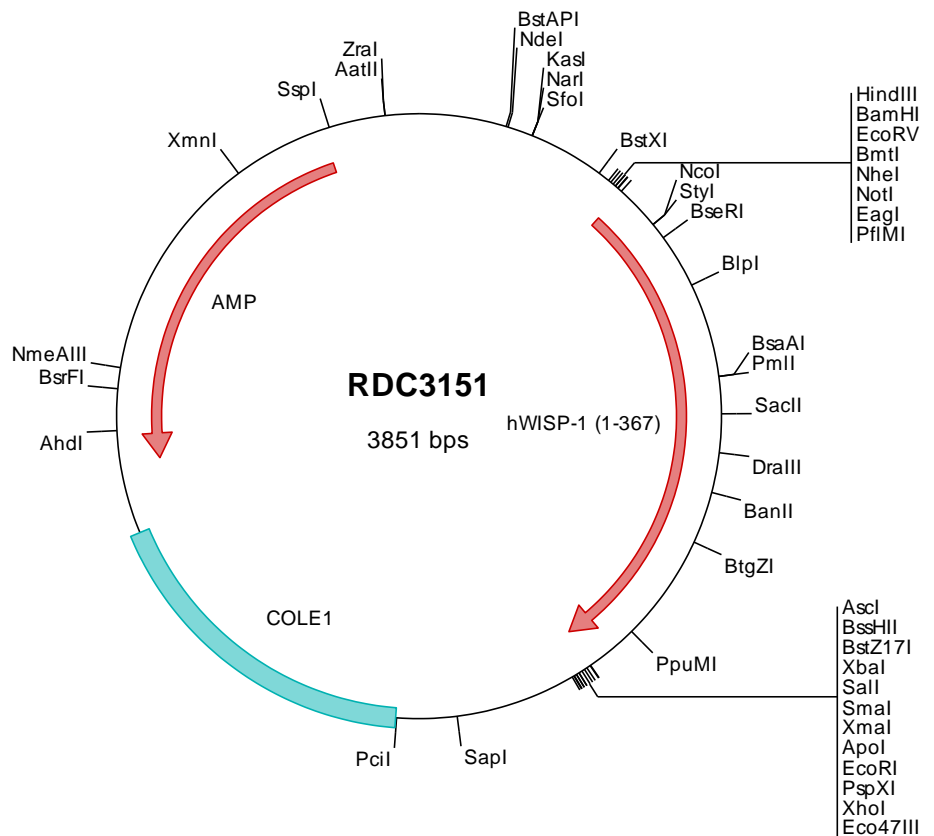
WISP-1 is a member of the WNT1 inducible signaling pathway (WISP) protein subfamily, which belongs to the connective tissue growth factor (CTGF) family. The CTGF family members are characterized by four conserved cysteine-rich domains: insulin-like growth factor-binding domain, von Willebrand factor type C module, thrombospondin domain and C-terminal cystine knot-like domain. WISP-1 may be downstream in the WNT1 signaling pathway that is relevant to malignant transformation. It is expressed at a high level in fibroblast cells and overexpressed in colon tumors. WISP-1 binds to decorin and biglycan, two members of a family of small leucine-rich proteoglycans.

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

> RDC3151 Plasmid DNA Sequence

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1 tcgctgcttt cggatgatgac ggtgaaaacc totgacacat gcagctcccc gagacgggtca cagcttgtct gtaagcggat gccgggagca gacaagcccc
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201 ccgcacacgat gcgtaaggag aaaataccgc atcaggcgcc attgccatt caggctcgcg aactgttggg aagggcgatc ggtgcgggcc tcttcgctat
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> RDC3151 Translated Insert Sequence

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201 gafdavgeve awhrnciayt spwspcstsc glgvstrisn vnaqcwpege srlcnlrpdc vdihtlikag kkclavyqpe asmftlagc istrsyqpkv
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