

Specifications:

Gene:	mWnt9a
Accession:	NP_647459.1
Insert size:	1111bp
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.

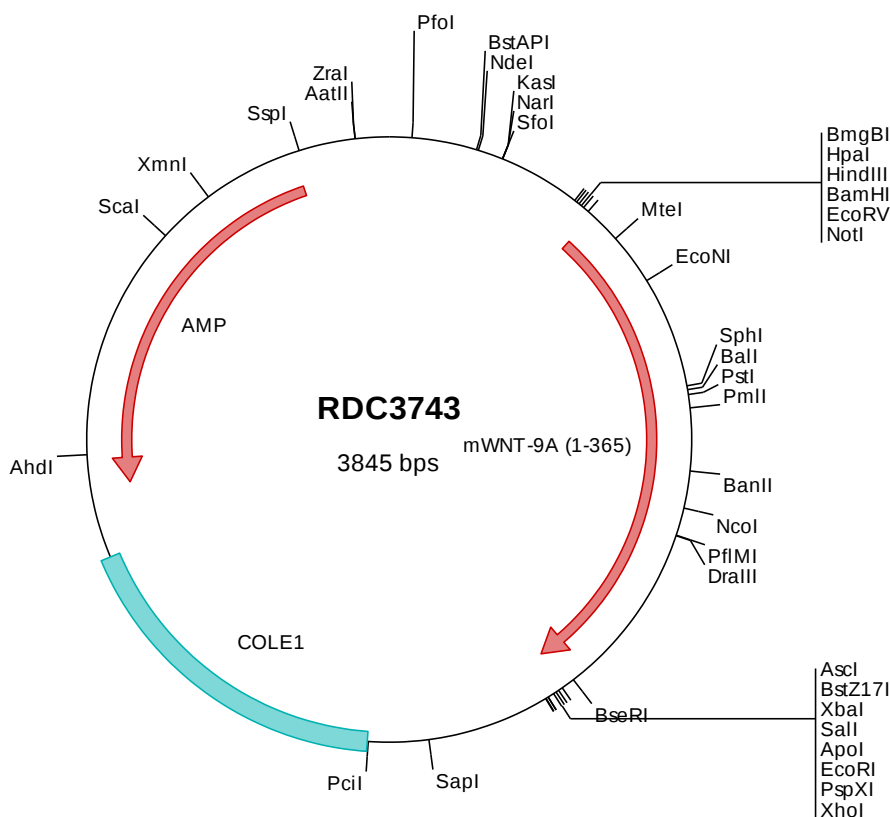
mWnt-9A cDNA Plasmid

Wnt9a wingless-type MMTV integration site family, member 9A [*Mus musculus* (house mouse)]

Also known as: Wnt14; wnt-14

Summary:

The WNT gene family consists of structurally related genes that 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. Wnt9a is a member of the WNT gene family. It is expressed in gastric cancer cell lines. Wnt9a is required for normal timing of IHH expression during embryonic bone development, normal chondrocyte maturation and for normal bone mineralization during embryonic bone development. It is clustered with another family member, WNT3A, in the chromosome 1q42 region.



> RDC3743 Plasmid DNA Sequence

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> RDC3743 Translated Insert Sequence

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