

Specifications:

Gene:	<i>hTNFSF9</i>
Accession:	NP_003802
Insert size:	778bp
Concentration:	10µg at 0.2µg/µL

h4-1BB Ligand cDNA Plasmid

TNFSF9 TNF superfamily member 9 [*Homo sapiens* (human)]

Also known as: CD137L; TNLG5A; 4-1BB-L

Summary:

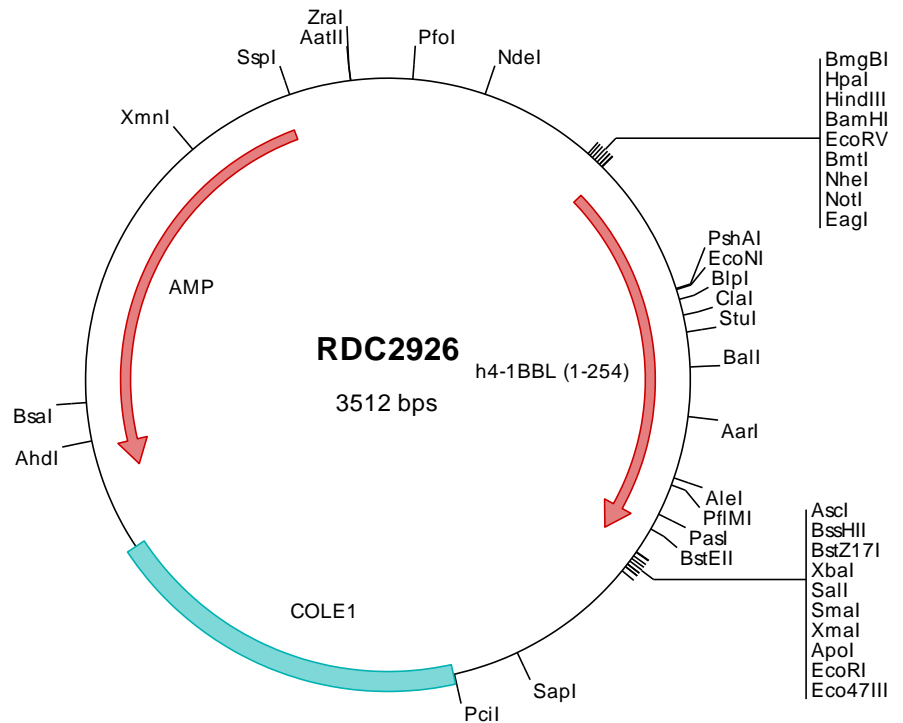
4-1BB Ligand/TNFSF9 is a cytokine that belongs to the tumor necrosis factor (TNF) ligand family. It is a bidirectional signal transducer that acts as a ligand for TNFRSF9/4-1BB, which is a costimulatory receptor molecule in T lymphocytes. TNFSF9 and its receptor are involved in the antigen presentation process and in the generation of cytotoxic T cells. TNFSF9 has been shown to reactivate anergic T lymphocytes in addition to promoting T lymphocyte proliferation.

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.



> RDC2926 Plasmid DNA Sequence

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1 tcgctgcttt cggatgatgac ggtgaaaacc totgacacat gcagctcccc gagacgggtca cagcttgtct gtaagcggat gccggggagca gacaagcccc
101 tcaggggcgcg tcagcgggtg ttggcgggtg tcggggctgg ctttaactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gtgtgaaata
201 ccgcacacgat gcgtaaggag aaaataccgc atcaggcgcg attcgcatt caggctcgcg aactgttggg aagggcgatc ggtgcgggcc tcttcctat
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401 ggagacgtgt taacaagctt ggaatcgata tcgctagcgc ggccgccacc atggaatacg cttctgacgc ttcactggac cctgaagctc catggcctcc
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> RDC2926 Translated Insert Sequence

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