

**Specifications:**

Gene:	mTnfsf9
Accession:	NP_033430.1
Insert size:	943bp
Concentration:	10µg at 0.2µg/µL

**mTNFSF9 cDNA  
Plasmid**

**Tnfsf9 tumor necrosis factor  
(ligand) superfamily, member 9  
[ *Mus musculus* (house mouse) ]**

**Also known as:** Ly63l; 4-1BBL;  
Cd137l; 4-1BB-L; AI848817

**Summary:**

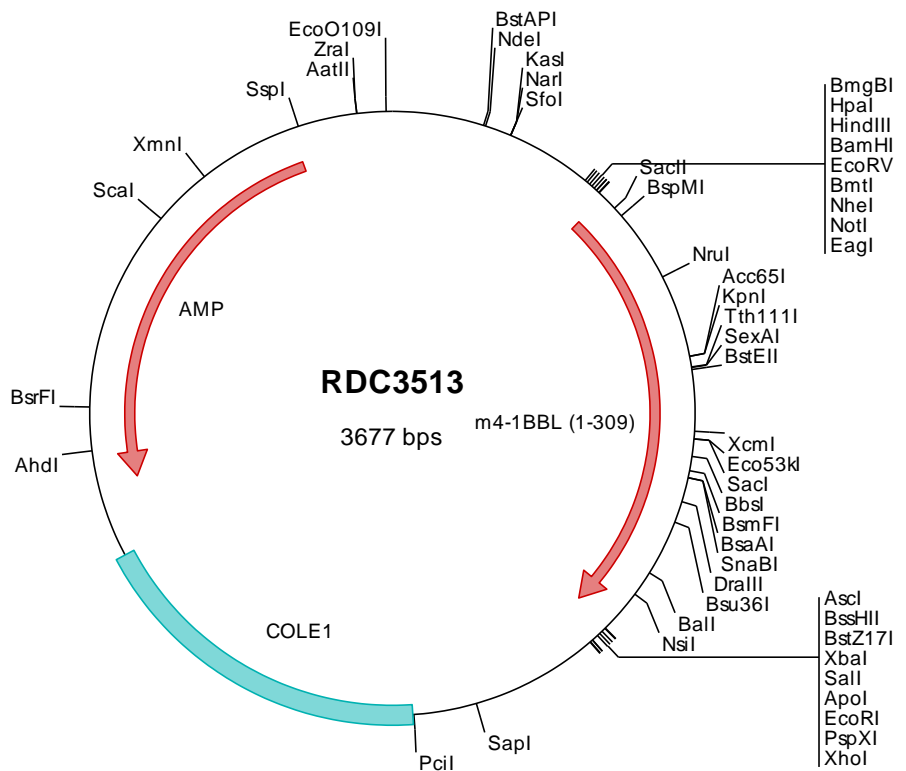
TNFSF9 is a cytokine that belongs to the tumor necrosis factor (TNF) ligand family. It is a bidirectional signal transducer that acts as a ligand for TNFRSF9/4-1BB, which is a costimulatory receptor molecule in T lymphocytes. TNFSF9 and its receptor are involved in the antigen presentation process and 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.



> RDC3513 Plasmid DNA Sequence

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1 tcgctgctgtt cggatgatgac ggtgaaaaacc totgacacat gcagctcccc gagacgggtca cagcttgtct gtaagcggat gccggggagca gacaagcccc
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> RDC3513 Translated Insert Sequence

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301 lvkpdnpwe

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