

## Specifications:

Gene:	mTRAIL
Accession:	NP_033451
Insert size:	888bp
Concentration:	10µg at 0.2µg/µL

## mTRAIL/TNFSF10 cDNA Plasmid

**Tnfsf10 tumor necrosis factor (ligand) superfamily, member 10 [ *Mus musculus* (house mouse) ]**

**Also known as:** TL2; Ly81; Trail; APO-2L

### Summary:

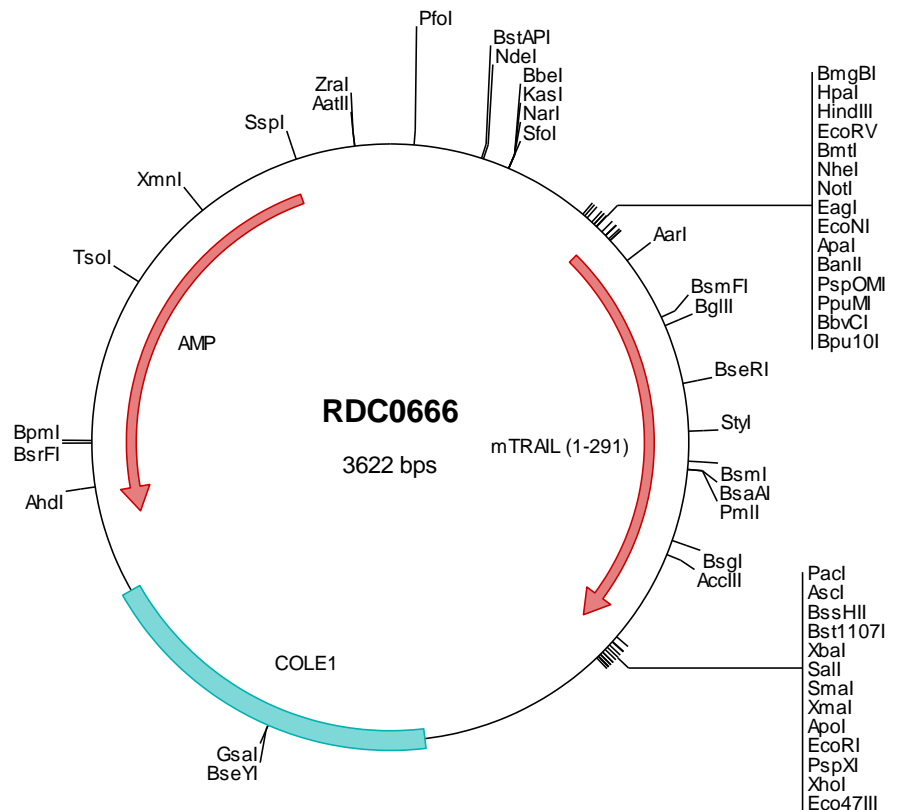
TRAIL is a cytokine that belongs to the tumor necrosis factor (TNF) ligand family. TRAIL-based therapy in neutropenic hosts may represent a novel antibacterial treatment option. TRAIL is a potent stimulus for pulmonary vascular remodeling in human cells and rodent models. The binding of TRAIL to its receptors has been shown to trigger the activation of MAPK8/JNK, caspase 8, and caspase 3. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.

## 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.





## > RDC0666 Plasmid DNA Sequence

```
1 tcgcgcggtt cggatgatgac ggtgaaaacc tetgacacat gcaagctccc gagacggtea cagcttgtct gtaagcggat gccgggagca gacaagcccg
101 tcaggggcgc tcagcgggtg ttggcgggtg tceggggctgg cttactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gtgtgaaata
201 ccgcacacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aagggcgatc ggtcggggcc tcttcgctat
301 taacggcagct ggcgaaaagg ggatgtgctg caaggcgatt aagtgggta acgcccgggt tttccagtc acgacgttgt aaaacgacgg ccagtgaatt
401 ggagacgtgt taacaagcctt ggatccgata tcgctagcgc ggccgccacc atgccttctc caggggccct gaaggacctc agcttcagtc agcaactcag
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601 gacaattact ccaaaattgg actagettgc tttcacaaga cggatgagga tttctgggac tccactgatg gagagatctt gaacagaacc tgettgcagg
701 ttaagaggca actgtatcag ctcaattgaag aggtgacttt gagaaccttt caggacacca tttctacagt tccagaaaag cagctaaagta ctctccctt
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3501 gaaaaataaa caaatagggg ttcocgac atttccccga aaagtgcac ctgacgtcta agaaaaccatt attatcatga cattaaccta taaaaatag
3601 cgtatcaaga ggccttttcg tc
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## > RDC0666 Translated Insert Sequence

```
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201 daskmvsdkd vrtkqlvqyi kyktsydpdi vlmsarnsc wsrdaeygly siyqggflfel kknndrifvsv tnehlmlddq easffgafln
```