

Specifications:

Gene:	mCD70
Accession:	NP_035747
Insert size:	601bp
Concentration:	10µg at 0.2µg/µL

mCD27 Ligand cDNA Plasmid

Cd70 CD70 antigen [*Mus musculus* (house mouse)]

Also known as: Cd27l; CD27LG; Tnfsf7

Summary:

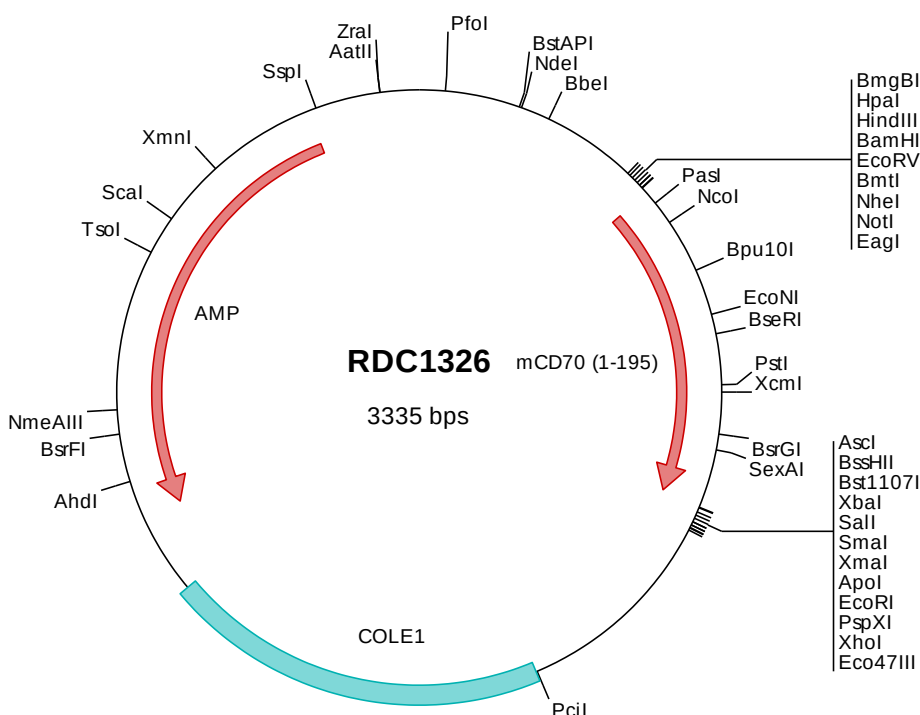
CD70/CD27L is a member of the tumor necrosis factor (TNF) ligand family. It is a type II transmembrane protein expressed by activated T and B cells. It binds to CD27 on mature T cells and a subset of thymocytes. CD70 induces the proliferation of costimulated T cells and enhances the generation of cytolytic T cells. CD70 may also play a role in regulating B-cell activation, cytotoxic function of natural killer cells, and immunoglobulin synthesis.

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.



> RDC1326 Plasmid DNA Sequence

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1   tcgcgcggtt cggatgatgac ggtgaaaacc tctgacacat gcagctcccg gagacggtea cagcttgtct gtaagcggat gccgggagca gacaagcccg
101  tcagggcgcg tcagcgggtg ttggcgggtg tccgggctgg cttactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gtgtgaaata
201  ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aaggcgatc ggtgcgggcc tcttcgctat
301  tacgccagct ggcgaaaggg ggaatgtgtg caaggcgatt aagtgggta acgccagggt tttccagtc acgacgttgt aaaacgacgg ccagtgaatt
401  ggagacgtgt taacaagctt ggaaccgata tcgctagcgc ggccgcacac atgcccggagg aaggctgcgc ttgcccctgg gttcgtctga gcgggacccg
501  gttccagcgc caatggccat ggctgctgct ggtggtggtt attactgtgt tttgctgttg gtttcattgt agcggactac tcagtaagca gcaacagagg
601  ctgctggagc accctgagcc gcacacagct gagttacagc tgaatctcac agttcctcgg aaggacccca cactgcgctg gggagcaggg ccagccttgg
701  gaaggtcctt cacacacgga ccagagctgg agggaggcca tctcgctatc catcaagatg gcctctacag gctgcataac caggtgaacac tggccaactg
801  ctcttcccca ggcagcacc tgccagcacag ggccaccctg gctgtgggca tctgctcccc cgctgcgcac ggcatacagct tgcgtcgttg gcgctttgga
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1401 actcaaaagg ggtaatacgg ttatccacag aatcagggga taacgcagga aagaacatgt gagcaaaagg ccagcaaaag gccaggaacc gtaaaaaggc
1501 cgcgttgtcg gcgtttttcc ataggctccg cccctctgac gagcatcaca aaaatcgacg ctcaagtcag aggtggcgaa acccgacagg actataaaga
1601 taccaggcgt tttccctctg aagctccctc gtgcgctctc ctgttccgac cctgcgcgtt accggatacc tgtccgcctt tctcccttcc ggaagcgttg
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2001 gaaaaagagt tggtagctct tgatccggca aacaaaccac cgctggtagc ggtggttttt ttgtttgcaa gcagcagatt acgcgcagaa aaaaaggatc
2101 tcaagaagat cctttgatct tttctacggg gtctgacgct cagtggaaagc aaaactcacg ttaagggtat ttggtcatga gattatcaaa aaggatcttc
2201 acctagatcc ttttaaatta aaaatgaagt tttaaatcaa tctaagatat atatgagtaa acttgggtctg acagttacca atgcttaate agtgaggcac
2301 ctatctcagc gatctgtcta tttcgttcat ccatagttgc ctgactcccc gtcgtgtaga taactacgat acgggagggc ttaccatctg gccccagtcg
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2501 tccgcctcca tccagctctat taattgttgc cgggaagcta gagtaagtag ttcgccagtt aatagtttgc gcaacgttgt tgcattgtct acaggcatcg
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3001 gatgtaaccc actcgtgcac ccaactgatc ttcagcatct tttactttca ccagcgtttc tgggtgagca aaaacaggaa ggcaaaatgc cgcataaagg
3101 ggaataaggg cgacacggaa atgttgaata ctcatactct tcctttttca atattattga agcatttata agggttattg tctcatgagc ggatacatat
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> RDC1326 Translated Insert Sequence

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1   mpeegrpcpw vrwsgtafqr qwpwlllvvf itvfccwfhc sgllskqqqr llehpephta elqlnltpvr kdptlrwgag palgrsfthg peleeghlri
101  hqdglyrlhi qvtlanccssp gstlqhratl avgicspaah gisllrgrfg qdctvalqrl tylvhgdvlc tnltlpllps rnatetffgv qwicp

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