*cyno*B7-1/CD80 VersaClone cDNA

Catalog Number: RDC1587

Specifications:

Gene:	*cyno*CD80
Accession:	XP_005548122
Insert size:	880bp
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

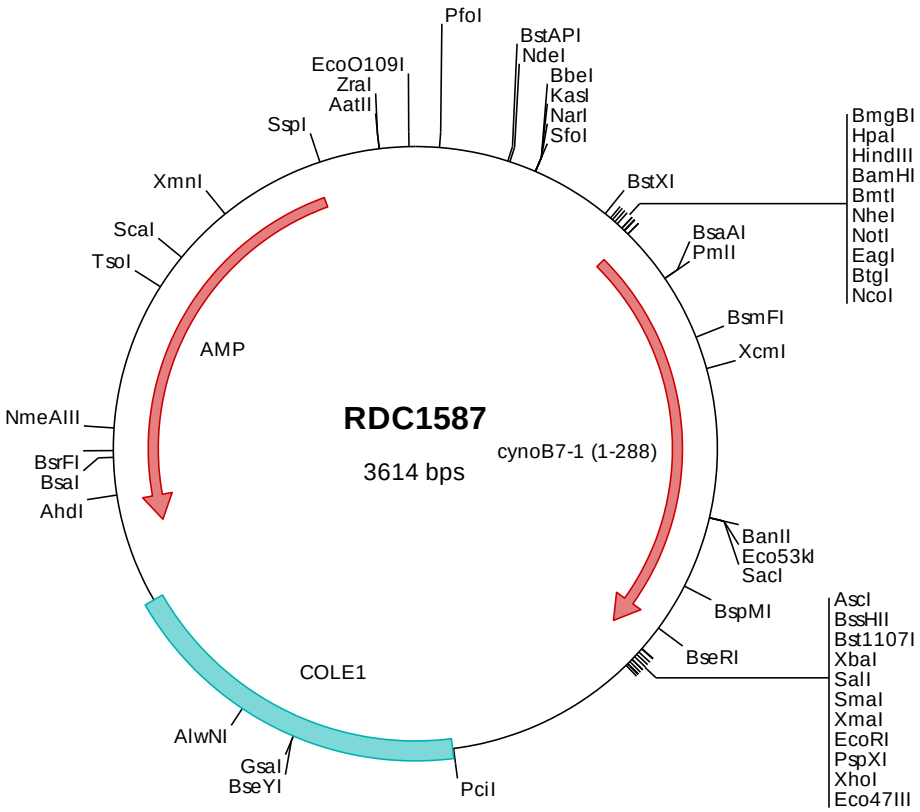
Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

*cyno*B7-1/CD80 cDNA Plasmid

CD80 CD80 molecule [*Macaca fascicularis* (crab-eating macaque)]

Also known as: B7; BB1; B7-1; B7.1; LAB7; CD28LG; CD28LG1

Summary:
B7-1 is a membrane receptor that is activated by the binding of CD28 or CTLA-4. T-cell proliferation and cytokine production is induced by the binding of CD28, while binding to CTLA-4 has opposite effects and inhibits T-cell activation. B7-1 is expressed on activated B cells, activated T cells, and macrophages. B7-1 can also act as a receptor for adenovirus subgroup B and may play a role in lupus neuropathy.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

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> RDC1587 Plasmid DNA Sequence

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 201  ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aagggcgatc ggtgcgggcc tcttcgctat
 301  tacgccagct ggcgaaaggg ggatgtgctg caaggcgatt aagttgggta acgccagggt tttcccagtc acgacgttgt aaaacgacgg ccagtgaatt
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 601  ggtcacaatg tttctgttga agagctggca caaactcgca tctactggca aaaggagaag aaaatggtgc tgactatgat gtctggggac atgaatatat
 701  ggcccgagta caagaaccgg accatctttg atatcacgaa taacctctcc attgtgattc tggctctgcg cccatctgac gagggcacat acgagtgtgt
 801  tgttctgaag tatgaaaaag atgctttcaa gcgggaacac ctggctgaag tgatgttatc cgtcaaagct gacttcccta cacctagtat aactgacttt
 901  gaaattccac cttctaacat tagaaggata atttgctcaa cctctggagg ttttccagag cctcacctct cctggttgga aaatggagaa gaattaaatg
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1801  taggctccgc ccccctgacg agcatcacaa aaatcgacgc tcaagtcaga ggtggcgaaa cccgacagga ctataaagat accaggcgtt tccccctgga
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2701  acgctcaccg gctccagatt tatcagcaat aaaccagcca gccggaaggg ccgagcgcag aagtggtcct gcaactttat ccgcctccat ccagtctatt
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> RDC1587 Translated Insert Sequence

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 101  ivilalrpsd egtyecvvlk yekdafkreh laevmlsvka dfptpsitdf eippsnirri icstsggfpe phlswlenge elnaisttvs qdpetelytv
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