

Specifications:

Gene:	mCd86
Accession:	NP_062261
Insert size:	943bp
Concentration:	10µg at 0.2µg/µL

mB7-2/CD86 cDNA Plasmid

Cd86 CD86 antigen [*Mus musculus* (house mouse)]

Also known as: B7; B70; MB7; B7-2; B7.2; CLS1; Ly58; ETC-1; Ly-58; MB7-2; Cd28l2; TS/A-2

Summary:

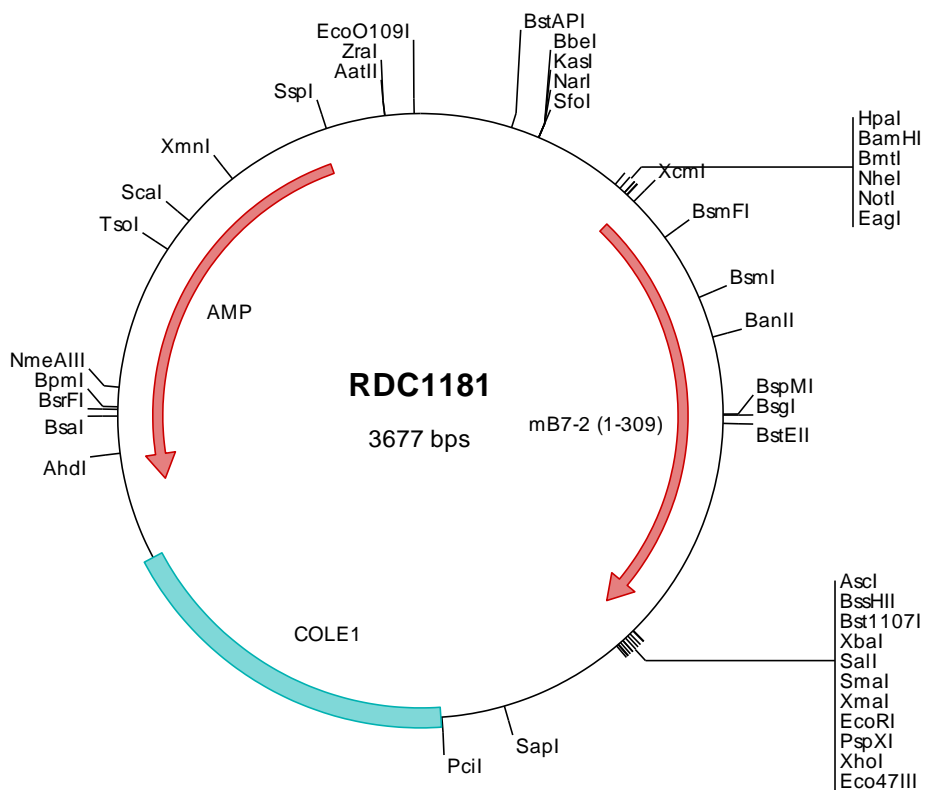
B7-2 is a member of the immunoglobulin superfamily. It is a type I membrane protein expressed by antigen-presenting cells. B7-2 is the ligand for two proteins at the cell surface of T-cells, CD28 antigen and cytotoxic T-lymphocyte-associated protein 4. When bound to CD28 antigen it is a costimulatory signal for the activation of T-cells. Binding of B7-2 with cytotoxic T-lymphocyte-associated protein 4 negatively regulates T-cell activation and diminishes the immune response.

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.





> RDC1181 Plasmid DNA Sequence

1 tcgcgcggtt cggatgatgac ggtgaaaacc tetgacacat gcaagctccc gagacggta cagcttgtct gtaagcggat gccgggagca gacaagcccg
101 tcaggggcgc tcagcgggtg ttggcgggtg tccgggctgg cttactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gtgtgaaata
201 ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aaggcgatc ggtgcgggcc tcttcgctat
301 taaggcagct ggcgaaaggg ggatgtgctg caaggcgatt aagtgggta acgcccagggt ttcccgctc acgacgtgtg aaaacgacgg ccagtgaatt
401 ggagacgtgt taacaagcctt ggatccgata tcgctagcgc ggccgccacc atggaccoca gatgcaccat gggcttggca atccttatct ttgtgacagt
501 cttgctgato tcaagatcgt tttcogtggg gacgcaagct tatttcaatg ggactgcata tctgcoctgc ccatttacia aggcctaaaa cataagcctg
601 agtgagctgg tagtattttg gcaggaccag caaaagtgg tctgtacga gcactatttg ggacagaga aacttगत tagtgaatgcc aagtacctgg
701 gccgcacgag ctttgacagc aacaactgga ctctacgact toacaatggt cagatcaagg acatgggctc gtatgatgtt tttatacaaa aaaagccacc
801 cacaggatca attatcctcc aacagacatt aacagaactg tcaagtatog ccaacttoag tgaacctgaa ataaaactgg ctcaaatgt aacaggaaat
901 tctggcaata atttgacctg cacgtctaag caaggtcacc gaaaacctaa gaagatgtat ttctgataa ctaattcaac taatgagtat ggtgataaca
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1401 gagtgcacac ccggggaatt cctogagcgc tctctctag cttggcgtaa tcaatggatc agctgtttcc tgggtgaaat tttatccgc tcacaattcc
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1601 tcgggaaacc tgtctgcca gctgcattaa tgaatcggcc aacgcgcggg gagagcgggt ttgctattg ggcctcttc cgttctctcg ctcaactgact
1701 cgtcgcctc ggtcgttcgg ctgcggcgag cggtatcagc tcaactcaag gcgtaatac ggttatccac agaatacagg gataacgcag gaaagaacat
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2401 tttgtttgc aagcagcaga ttacgcgcag aaaaaaagg taactcaaga atctcttcat ctttctcag gggctctgac ctcaagtgaa cgaactca
2501 cgtaagga tttgttcat gagattatca aaaaggatct tcacctagat cttttaaat taaaaatgaa gttttaaatc aatctaaagt atatatgagt
2601 aaacttggtc tgacagttac caatgcttaa tcagtgaagg acctatctca gcatctgtc tatttcgttc atccatagtt gcctgactcc ccgtcgtgta
2701 gataactacg ataccggagg gcttaccatc tggccccagt gctgcaatga taccgcgaga cccacgctca ccggctccag atttatcagc aataaaccag
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> RDC1181 Translated Insert Sequence

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101 qikdmgsydc fiqkkppts iilqqtltel svianfsepe iklaqnvtn sginltctsk gghpkpkmy flitnstney gdmnqisqdn vtelfsins
201 lslsfpdgwv hmtvvcvlet esmkisskpl nftqefpsp tywkeitasv tvalllvmll iivchkkpnq prpsntask lerdnadre tinkelepq
301 iasakpnae