*m*PD-L1/B7-H1 VersaClone cDNA

Catalog Number: RDC0752

Specifications:

Gene:	*m*CD274
Accession:	NP_068693
Insert size:	886bp
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

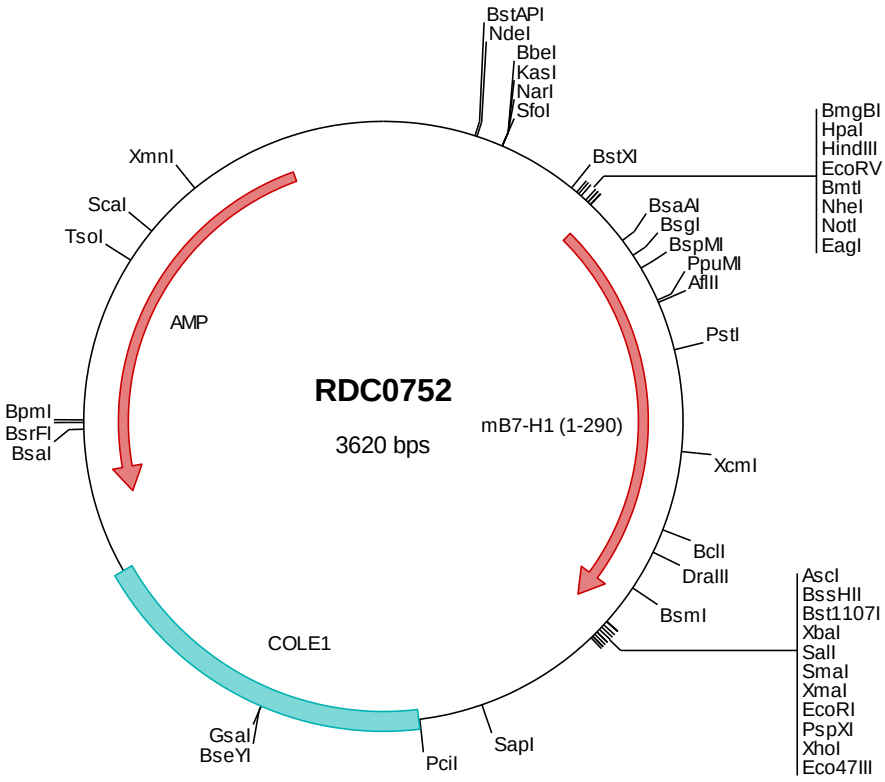
Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

*m*PD-L1/B7-H1 cDNA Plasmid

Cd274 CD274 antigen [*Mus musculus* (house mouse)]

Also known as: B7h1; Pdl1; Pdcd1l1; Pdcd1lg1

Summary:
B7-H1 is a single-pass type I membrane protein that is highly expressed in the heart, thymus, skeletal muscle, and lung. B7-H1 expressed on corneal endothelial cells maintains long-term acceptance of corneal allografts by inducing apoptosis of effector T-cells within the cornea. B7-H1 may play an important role in TGF-β-induced Treg expansion of the lung cancer microenvironment.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC0752 Plasmid DNA Sequence

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   1  tcgcgcgttt cggtgatgac ggtgaaaacc tctgacacat gcagctcccg gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagcccg
 101  tcagggcgcg tcagcgggtg ttggcgggtg tcggggctgg cttaactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gtgtgaaata
 201  ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aagggcgatc ggtgcgggcc tcttcgctat
 301  tacgccagct ggcgaaaggg ggatgtgctg caaggcgatt aagttgggta acgccagggt tttcccagtc acgacgttgt aaaacgacgg ccagtgaatt
 401  ggagacgtgt taacaagctt ggatccgata tcgctagcgc ggccgccacc atgagaatat ttgctggcat tatattcaca gcctgctgtc acttgctacg
 501  ggcgtttact atcacggctc caaaggactt gtacgtggtg gagtatggca gcaacgtcac gatggagtgc agattccctg tagaacggga gctggacctg
 601  cttgcgttag tggtgtactg ggaaaaggaa gatgagcaag tgattcagtt tgtggcagga gaggaggacc ttaagcctca gcacagcaac ttcaggggga
 701  gagcctcgct gccaaaggac cagcttttga agggaaatgc tgcccttcag atcacagacg tcaagctgca ggacgcaggc gtttactgct gcataatcag
 801  ctacggtggt gcggactaca agcgaatcac gctgaaagtc aatgccccat accgcaaaat caaccagaga atttccgtgg atccagccac ttctgagcat
 901  gaactaatat gtcaggccga gggttatcca gaagctgagg taatctggac aaacagtgac caccaacccg tgagtgggaa gagaagtgtc accacttccc
1001  ggacagaggg gatgcttctc aatgtgacca gcagtctgag ggtcaacgcc acagcgaatg atgttttcta ctgtacgttt tggagatcac agccagggca
1101  aaaccacaca gcggagctga tcatcccaga actgcctgca acacatcctc cacagaacag gactcactgg gtgcttctgg gatccatcct gttgttcctc
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1301  atacacaatt cgaggagacg taaaggcgcg ccagtatact ctagagtcga cacccgggga attcctcgag cgctcgtctc tagcttggcg taatcatggt
1401  catagctgtt tcctgtgtga aattgttatc cgctcacaat tccacacaac atacgagccg gaagcataaa gtgtaaagcc tggggtgcct aatgagtgag
1501  ctaactcaca ttaattgcgt tgcgctcact gcccgctttc cagtcgggaa acctgtcgtg ccagctgcat taatgaatcg gccaacgcgc ggggagaggc
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1701  tacggttatc cacagaatca ggggataacg caggaaagaa catgtgagca aaaggccagc aaaaggccag gaaccgtaaa aaggccgcgt tgctggcgtt
1801  tttccatagg ctccgccccc ctgacgagca tcacaaaaat cgacgctcaa gtcagaggtg gcgaaacccg acaggactat aaagatacca ggcgtttccc
1901  cctggaagct ccctcgtgcg ctctcctgtt ccgaccctgc cgcttaccgg atacctgtcc gcctttctcc cttcgggaag cgtggcgctt tctcaatgct
2001  cacgctgtag gtatctcagt tcggtgtagg tcgttcgctc caagctgggc tgtgtgcacg aacccccgt tcagcccgac cgctgcgcct tatccggtaa
2101  ctatcgtctt gagtccaacc cggtaagaca cgacttatcg ccactggcag cagccactgg taacaggatt agcagagcga ggtatgtagg cggtgctaca
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2301  gctcttgatc cggcaaacaa accaccgctg gtagcggtgg ttttttgtt tgcaagcagc agattacgcg cagaaaaaaa ggatctcaag aagatccttt
2401  gatcttttct acggggtctg acgctcagtg gaacgaaaac tcacgttaag ggattttggt catgagatta tcaaaaagga tcttcaccta gatccttta
2501  aattaaaaat gaagttttaa atcaatctaa agtatatatg agtaaacttg gtctgacagt taccaatgct taatcagtga ggcacctatc tcagcgatct
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2701  agacccacgc tcaccggctc cagatttatc agcaataaac cagccagccg gaagggccga gcgcagaagt ggtcctgcaa ctttatccgc ctccatccag
2801  tctattaatt gttgccggga agctagagta agtagttcgc cagttaatag tttgcgcaac gttgttgcca ttgctacagg catcgtggtg tcacgctcgt
2901  cgtttggtat ggcttcattc agctccggtt cccaacgatc aaggcgagtt acatgatccc ccatgttgtg caaaaaagcg gttagctcct tcggtcctcc
3001  gatcgttgtc agaagtaagt tggccgcagt gttatcactc atggttatgg cagcactgca taattctctt actgtcatgc catccgtaag atgcttttct
3101  gtgactggtg agtactcaac caagtcattc tgagaatagt gtatgcggcg accgagttgc tcttgcccgg cgtcaatacg ggataataccc gcgccacata
3201  gcagaacttt aaaagtgctc atcattggaa aacgttcttc ggggcgaaaa ctctcaagga tcttaccgct gttgagatcc agttcgatgt aacccactcg
3301  tgcacccaac tgatcttcag catcttttac tttcaccagc gtttctgggt gagcaaaaac aggaaggcaa aatgccgcaa aaaagggaat aagggcgaca
3401  cggaaatgtt gaatactcat actcttcctt tttcaatatt attgaagcat ttatcagggt tattgtctca tgagcggata catatttgaa tgtatttaga
3501  aaaataaaca aatagggggtt ccgcgcacat ttccccgaaa agtgccacct gacgtctaag aaaccattat tatcatgaca ttaacctata aaaataggcg
3601  tatcacgagg ccctttcgtc
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> RDC0752 Translated Insert Sequence

```
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 101  itdvklqdag vycciisygg adykritlkv napyrkingr isvdpatseh elicqaegyp eaeviwtnsd hqpvsgkrsv ttsrtegmll nvtsslrvna
 201  tandvfyctf wrsqpgqnht aeliipelpa thppqnrthw vllgsillfl ivvstvllfl rkqvrmldve kcgvedtssk nrndtqfeet
```