*cyno*B7-H3 VersaClone cDNA

Catalog Number: RDC1385

Specifications:

Gene:	*cyno*CD276
Accession:	XP_005560056
Insert size:	1618bp
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.

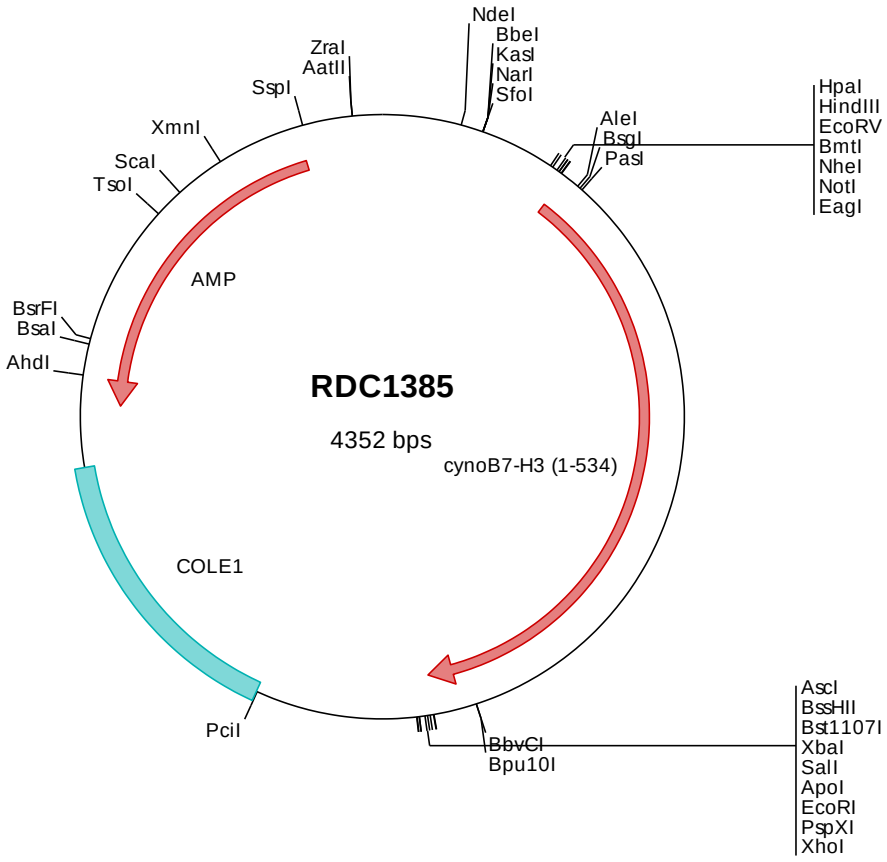
Preparation and Storage

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-H3 cDNA Plasmid

CD276 CD276 molecule [*Macaca fascicularis* (crab-eating macaque)]

Also known as: B7H3; B7-H3; B7RP-2; 4Ig-B7-H3



Summary:
B7-H3 is a member of the immunoglobulin superfamily and is thought to participate in the regulation of immune responses. B7-H3 is not expressed on resting B cells, T cells, monocytes or dendritic cells, but is induced on dendritic cells and monocytes by inflammatory cytokines. B7-H3 does not bind any known members of the CD28 family of immunoreceptors. However, B7-H3 has been shown to bind an unidentified counter-receptor on activated T cells to costimulate the proliferation of CD4+ or CD8+ T cells. B7-H3 has also been found to enhance the induction of primary cytotoxic T lymphocytes and stimulate IFN-γ production.

FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

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> RDC1385 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 atgctgcatc ggcggggcag ccctggcatg ggtgtgcacg tgggtgcagc
 501  cctgggagca ctgtggttct gccttacagg agccctggag gtccaggtcc ctgaggaccc agtggtggca ctggtgggca ccgatgccac tctgcgctgc
 601  tccttctccc ccgagcctgg ctttagcctg gcacagctca acctcatctg gcagctgaca gacaccaaac agctggtgca cagtttcacc gagggccggg
 701  accagggcag cgcctatgcc aaccgcacgg cgctcttcct ggacctgctg gcacagggca acgcatccct gaggctgcag cgcgtgcgtg tggcggacga
 801  gggcagcttc acctgcttcg tgagcattcg ggattttggc agcgctgctg tcagcctgca ggtggccgct ccctactcga agcccagcat gaccctggag
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1401  gctggcacag ggcaacgcat ctctgaggct gcagcgcgtg cgtgtggcgg acgagggcag cttcacctgc ttcgtgagca tccgggattt tggcagcgct
1501  gcagtcagcc tgcaggtggc cgctccctac tcgaagccca gcatgaccct ggagcctaac aaggacctgc ggcccgggga cacggtgacc atcacgtgct
1601  ccagctaccg gggctaccct gaggccgagg tgttctggca ggatgggcag ggtgcgcccc tgactggcaa cgtgaccacg tcgcagatgg ccaatgagca
1701  gggcttgttc gatgtgcaca gcgtcctgcg ggtggtgctg ggtgcgaacg gcacctacag ctgcctggtg cgcaaccccg tgctgcagca ggacgcgcac
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2001  gcagcctctg aaacactctg acagcaaaga agatgatgga caagaattag cctaaaggcg cgccagtata ctctagagtc gacacccggg gaattcctcg
2101  agcgctcgtc tctagcttgg cgtaatcatg gtcatagctg tttcctgtgt gaaattgtta tccgctcaca attccacaca acatacgagc cggaagcata
2201  aagtgtaaag cctggggtgc ctaatgagtg agctaactca cattaattgc gttgcgctca ctgcccgctt tccagtcggg aaacctgtcg tgccagctgc
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2401  gcgagcggta tcagctcact caaaggcggt aatacggtta tccacagaat caggggataa cgcaggaaag aacatgtgag caaaaggcca gcaaaaggcc
2501  aggaaccgta aaaaggccgc gttgctggcg tttttccata ggctccgccc ccctgacgag catcacaaaa atcgacgctc aagtcagagg tggcgaaacc
2601  cgacaggact ataaagatac caggcgtttc cccctggaag ctccctcgtg cgctctcctg ttccgaccct gccgcttacc ggatacctgt ccgcctttct
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3301  cttaatcagt gaggcaccta tctcagcgat ctgtctattt cgttcatcca tagttgcctg actccccgtc gtgtagataa ctacgatacg ggagggctta
3401  ccatctggcc ccagtgctgc aatgataccg cgagacccac gctcaccggc tccagattta tcagcaataa accagccagc cggaagggcc gagcgcagaa
3501  gtggtcctgc aactttatcc gcctccatcc agtctattaa ttgttgccgg gaagctagag taagtagttc gccagttaat agtttgcgca acgttgttgc
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> RDC1385 Translated Insert Sequence

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301  rdqgsayanr talfldllaq gnaslrlqrv rvadegsftc fvsirdfgsa avslqvaapy skpsmtlepn kdlrpgdtvt itcssyrgyp eaevfwqdgq
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501  agaedqdgeg egsktalqpl khsdskeddg qela
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