

## Specifications:

Gene:	mCd276
Accession:	NP_598744
Insert size:	964bp
Concentration:	10µg at 0.2µg/µL

## mB7-H3 cDNA Plasmid

**Cd276 CD276 antigen [ *Mus musculus* (house mouse) ]**

**Also known as:** B7h3; B7RP-2; AU016588

### Summary:

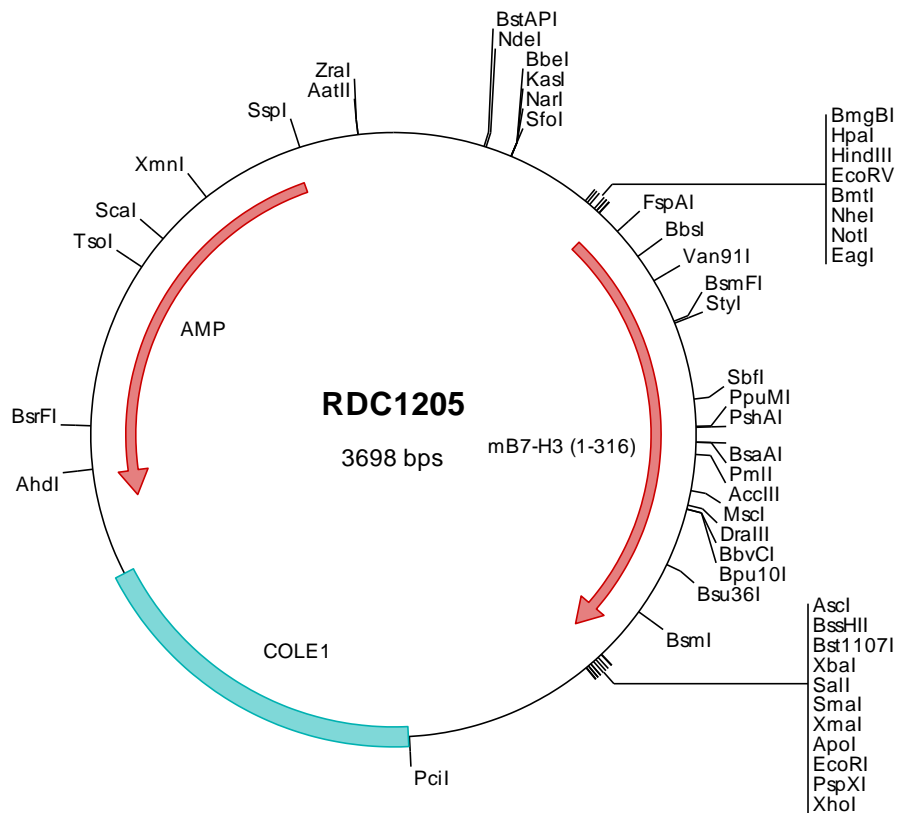
B7-H3 is a member of the immunoglobulin superfamily and is thought to participate in the regulation of immune responses. B7-H3 is not expressed on resting B cells, T cells, monocytes or dendritic cells, but is induced on dendritic cells and monocytes by inflammatory cytokines. B7-H3 does not bind any 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.

## 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.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS



## > RDC1205 Plasmid DNA Sequence

```
1 tcgcgcggtt cggatgatgac ggtgaaaacc tetgacacat gcaagctccc gagacggtea cagcttgtct gtaagcggat gccgggagca gacaagcccg
101 tcaggggcgc tcagcgggtg ttggcgggtg teggggctgg cttactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gtgtgaaata
201 ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aaggcgatc ggtcggggcc tcttcgctat
301 taaggcagct ggcgaaaggg ggatgtgctg caaggcgatt aagtgggta acgcccgggt ttcccgatc acgacgttgt aaaacgacgg ccagtgaatt
401 ggagacgtgt taacaagcct ggatccgata tcgctagcgc ggccgccacc atgcttcgag gatgggggtg ccccagtggt ggtgtgtgtg tgcgcacagc
501 actgggggtg ctgtgcctct gcctcacagg agctgtggaa gtccaggctot ctgaagacc cgtggtggcc ctggtggaca cggatgccac cctacgctgc
601 tcttttccc cagagcctgg cttoagtctg gcacagctca acctcatctg gcagctgaca gacaccaaac agctggtgca cagcttcacg gaggccggg
701 accaaggcag tgcctactcc aacgcacag cgtcttccc tgacctgtg gtgcaaggca atgctcctt gaggctcag cgcgtccgag taaccgacga
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1301 gtgccgagga ccaggatgga gatggagaag gatccaagac agctctacgg cctctgaaac cctctgaaaa caaagaagat gacggacaag aaattgctta
1401 aaggcggccc agtatactct agagtcgaca ccgggggaat tccctcgagc cctgtctcta gcttggcgta atcatggtca tagctgttcc ctgtgtgaaa
1501 ttgttatccg ctcaaatc cacacaacat acgagccgga agcataaagt gtaaagcctg ggtgcctaa tgagttagct aactcacatt aattgctgtg
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2201 gtaagacacg acctatcgcc actggcagca gccactggtg acagattag cagagcgagg tatgtaggcg gtgtctacaga gttcttgaag tgggtgcta
2301 actacggcta cactagaagg acagtatttg gtatctgctc tctgtgaag ccagttacct tcggaaaaag agttggtagc tcttgatccc gcaacaaac
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3501 tcttctttt tcaatattat tgaagcatt atcagggtaa ttgtctcag agcggataca ttttgaatg tatttagaaa aataaacaata taggggttcc
3601 gcgcacattt ccccgaaaag tgccactga cgttaagaa accattatta tcatgacatt aacctataaa aataggcgtg tccagaggcc ctttcgctc
```

## > RDC1205 Translated Insert Sequence

```
1 mlrgwggpsv gvcvrtalgv lclcltgate vqvsedpvva lvdtdatlrc sfspepgfsl aqlnliwqlt dtkqlvhsft egrdqgsays nrtalfpdll
101 vqgnaslrlq rrvrtdegsy tcfvsiqdfd saavslqvaa pyskpsmtle pnkdlrpgnm vtitcissyqg ypeaevfwkd gqgvpltnv ttsqmanerg
201 lfdvhsvlrv vlgangtysc lvrnpvlqgd ahgsvtitgq pltfppealw vtvglsvlv vllvalafvc wrkikqscce enagaedqdg dgegsktalr
301 plkpsenked dggeia
```