*h*B7-H2 VersaClone cDNA

Catalog Number: RDC0696

Specifications:

Gene:	*h*ICOSLG
Accession:	NP_056074
Insert size:	922bp
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

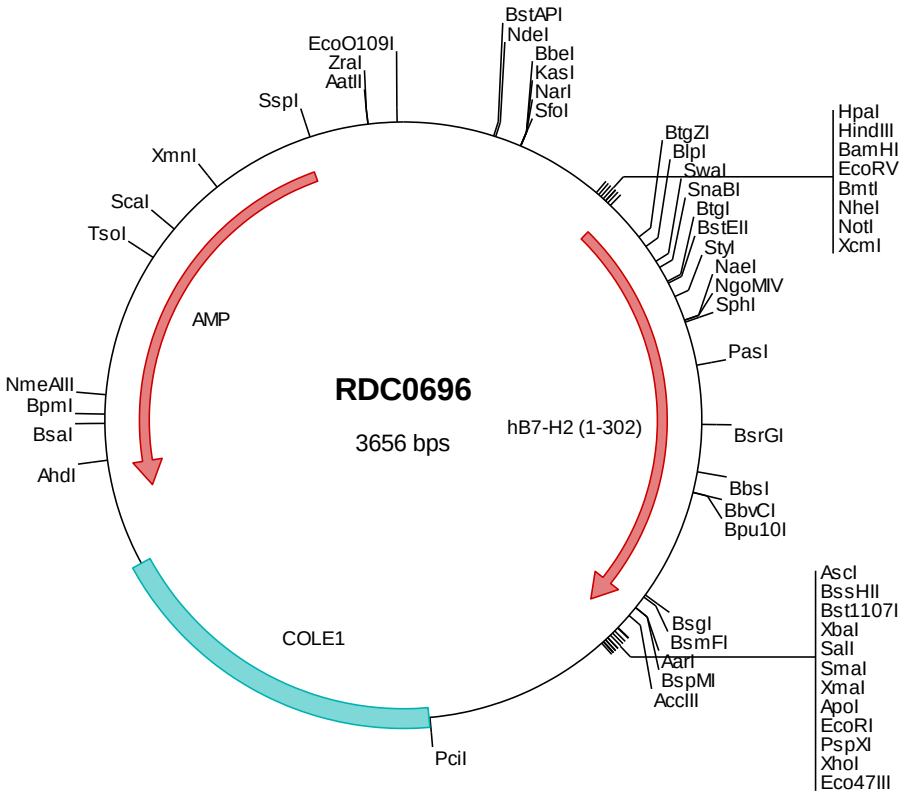
Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

*h*B7-H2 cDNA Plasmid

ICOSLG inducible T-cell co-stimulator ligand [*Homo sapiens* (human)]

Also known as: B7H2; GL50; B7-H2; B7RP1; CD275; ICOSL; LICOS; B7RP-1; ICOS-L

Summary:
B7-H2 is a ligand for the T-cell specific cell surface receptor ICOS. It acts as a costimulatory signal for T-cell proliferation and cytokine secretion. B7-H2 may play an important role in mediating local tissue responses to inflammatory conditions. It modulates the secondary immune response by co-stimulating memory T-cell function.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC0696 Plasmid DNA Sequence

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 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 atgcggctgg gcagtcctgg actgctcttc ctgctcttca gcagccttcg
 501  agctgatact caggagaagg aagtcagagc gatggtaggc agcgacgtgg agctcagctg cgcttgccct gaaggaagcc gttttgattt aaatgatgtt
 601  tacgtatatt ggcaaaccag tgagtcgaaa accgtggtga cctaccacat cccacagaac agctccttgg aaaacgtgga cagccgctac cggaaccgag
 701  ccctgatgtc accggccggc atgctgcggg gcgacttctc cctgcgcttg ttcaacgtca ccccccagga cgagcagaag tttcactgcc tggtgttgag
 801  ccaatccctg ggattccagg aggttttgag cgttgaggtt acactgcatg tggcagcaaa cttcagcgtg cccgtcgtca gcgcccccca cagcccctcc
 901  caggatgagc tcaccttcac gtgtacatcc ataaacggct accccaggcc caacgtgtac tggatcaata agacggacaa cagcctgctg gaccaggctc
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1601  ctgcattaat gaatcggcca acgcgcgggg agaggcggtt tgcgtattgg gcgctcttcc gcttcctcgc tcactgactc gctgcgctcg gtcgttcggc
1701  tgcggcgagc ggtatcagct cactcaaagg cggtaatacg gttatccaca gaatcagggg ataacgcagg aaagaacatg tgagcaaaag gccagcaaaa
1801  ggccaggaac cgtaaaaagg ccgcgttgct ggcgtttttc cataggctcc gccccccctga cgagcatcac aaaaatcgac gctcaagtca gaggtggcga
1901  aacccgacag gactataaag ataccaggcg tttcccccctg gaagctccct cgtgcgctct cctgttccga ccctgccgct taccggatac ctgtccgcct
2001  ttctcccttc gggaagcgtg gcgctttctc aatgctcacg ctgtaggtat ctcagttcgg tgtaggtcgt tcgctccaag ctgggctgtg tgcacgaacc
2101  ccccgttcag cccgaccgct gcgccttatc cggtaactat cgtcttgagt ccaacccggt aagacacgac ttatcgccac tggcagcagc cactggtaac
2201  aggattagca gagcgaggta tgtaggcggt gctacagagt tcttgaagtg gtggcctaac tacggctaca ctagaaggac agtatttggt atctgcgctc
2301  tgctgaagcc agttaccttc ggaaaaagag ttggtagctc ttgatccggc aaacaaacca ccgctggtag cggtggtttt tttgtttgca agcagcagat
2401  tacgcgcaga aaaaaaggat ctcaagaaga tcctttgatc ttttctacgg ggtctgacgc tcagtggaac gaaaactcac gttaagggat tttggtcatg
2501  agattatcaa aaaggatctt cacctagatc cttttaaatt aaaaatgaag ttttaaatca atctaaagta tatatgagta aacttggtct gacagttacc
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2701  cttaccatct ggccccagtg ctgcaatgat accgcgagac ccacgctcac cggctccaga tttatcagca ataaaccagc cagccggaag ggccgagcgc
2801  agaagtggtc ctgcaacttt atccgcctcc atccagtcta ttaattgttg ccgggaagct agagtaagta gttcgccagt taatagtttg cgcaacgttg
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3001  gttgtgcaaa aaagcggtta gctccttcgg tcctccgatc gttgtcagaa gtaagttggc cgcagtgtta tcactcatgg ttatggcagc actgcataat
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3301  accgctgttg agatccagtt cgatgtaacc cactcgtgca cccaactgat cttcagcatc ttttactttc accagcgttt ctgggtgagc aaaaacagga
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3501  gtctcatgag cggatacata tttgaatgta tttagaaaaa taaacaaata ggggttccgc gcacatttcc ccgaaaagtg ccacctgacg tctaagaaac
3601  cattattatc atgacattaa cctataaaaa taggcgtatc acgaggccct ttcgtc
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> RDC0696 Translated Insert Sequence

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101  fnvtpqdeqk fhclvlsqsl gfqevlsvev tlhvaanfsv pvvsaphsps qdeltftcts ingyprpnvy winktdnsll dqalqndtvf lnmrglydvv
201  svlriartps vnigccienv llqqnltvgs qtgndigerd kitenpvstg eknaatwsil avlcllvvva vaigwvcrdr clqhsyagaw avspeteltg
301  hv
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