

Specifications:

Gene:	hHHLA2
Accession:	NP_009003
Insert size:	1258bp
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.

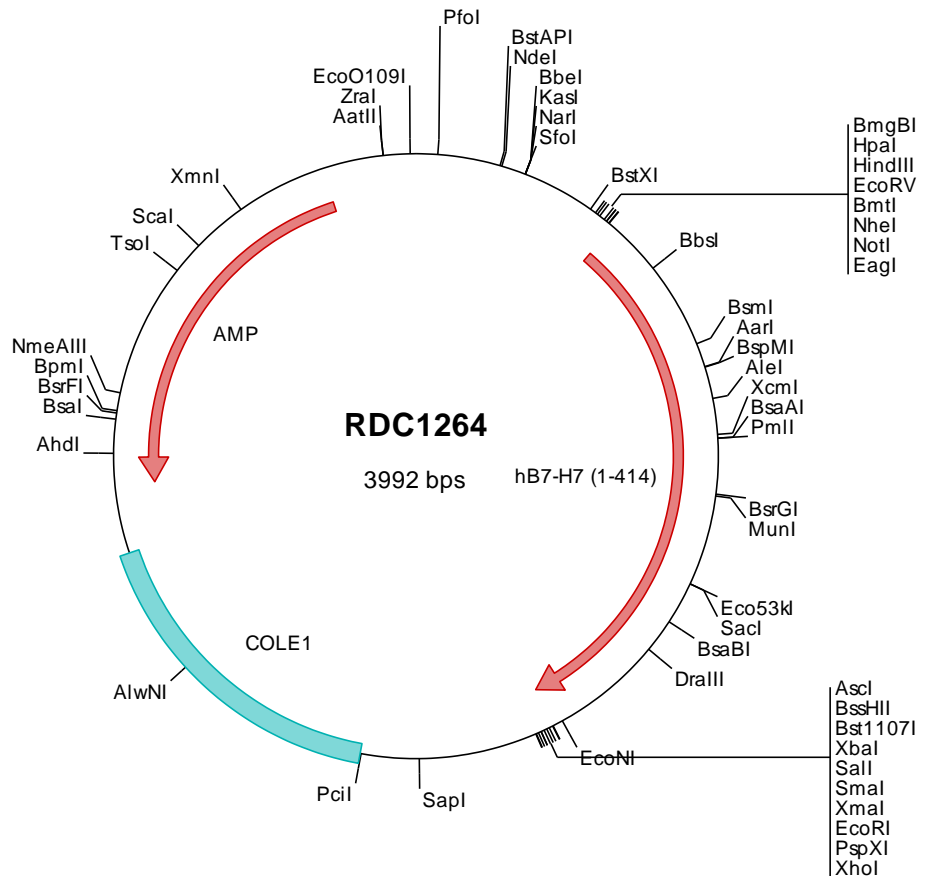
hB7-H7/HHLA2 cDNA Plasmid

HHLA2 HERV-H LTR-associating 2 [*Homo sapiens* (human)]

Also known as: B7H7

Summary:

B7-H7 is a member of the B7 family of immune regulatory proteins. It is found on the surface of monocytes and is up regulated by LPS and IFN γ stimulation. B7-H7 is thought to regulate cell-mediated immunity by binding to a receptor on T lymphocytes and inhibiting the proliferation of these cells. Alternatively spliced transcripts encoding different proteins have been described.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS



> RDC1264 Plasmid DNA Sequence

1 tcgcgcggtt cggatgatgac ggtgaaaacc tetgacacat gcaagctccc gagacggta cagcttgtct gtaagcggat gccgggagca gacaagcccg
101 tcaggggcgc tcagcgggtg ttggcgggtg tetggggctgg cttactatg cggcatcaga gcagattgta ctgagagtgc accatattgc gttgaaata
201 ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgccc aactgttggg aaggcgatc ggtcggggcc tcttcgctat
301 taaggcagct ggcgaaaggg ggatgtgctg caaggcgatt aagtgggta acggcagggt ttccagctc acgacgttgt aaaacgacgg ccagtgaatt
401 ggagacgtgt taacaagcct ggatccgata tetgtagcgc ggcggccacc atgaaggcac agacagcact gtctttcttc ctcattctca taacatctct
501 gagtggatct caaggcaat tcccttggc ttcttcatt tatgttcta tgaatgaaca aatcgtcaat ggaagacttg atgaagatat aattctccct
601 tottcatttg agaggggatc cgaagtogta atacactgga agtataaga tagctataag gttcacagt actacaaagg cagtacocat ttgaaagcc
701 aagatccocag atattgcaaac aggacatccc tttctataa tgagattcaa aatgggaatg cgtcgtatt ttccagaaga gtaagccttc tggacgaaag
801 aatttacacc tgctatgtag gaacagcaat tcaagtgatt acaaaaaag ttgtgctaaa ggtgggagtt ttctocacac ccgtgatgaa gatgaaaag
901 aggaacacaa acagctctctt aatatgcaagc gtgttaagtg tttatctctg tccaattatc acgtggaaaa tggacaacac acctatctct gaaaacaaa
1001 tggagaagaac aggtctcttg gattcttttt ctattaacag cccactgaat attacaggat caaattcaco ttatgaatgt acaattgaaa attcactgct
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1201 tcaacaaaac aagacttcaa agttaactgg tccagaatga aaagtgggac ttctctgtct ctggcttact atctgagctc ctcacaaaat acaattatac
1301 atgaatcccg attctcatgg acaaaagagc tgataaacca gagtgaactc tctatgaatt tgatggatct taatctttca gacagtgggg aatatttatg
1401 caatattctc tcggatgaat ataacttaet taccatccac acagtgcact tagaaccgat ccaagaaaca gcttccaca acaaggctt atggattttg
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1601 cccaacaaga aagatgttgt gtcocctctg gtgagcgtg tccocagtga cccgataatg gcgaagaaaa tgtgcctctt tcaggaaaag tataaaggcg
1701 cggcagata ctctagatgc gacacccggg gaattcctcg agcgtctctc tctagcttgg cgtaatcact gtcatactg tttcctgtgt gaaattgta
1801 tccgctcaca attccacaca acatacagac cgaagcaca aagtgtaaa cctgggtgct ctaatgagt agctaactca cattaattgc gttgcgctca
1901 ctgcccgtt tccagtcggg aaacctgtcg tggcagctgc ataatgaat cggccaaacgc gcggggagag gcggtttgcg tattggggcg tcttccgct
2001 cctcgtcacc tgactcgtcg cgtcgtgctg ttoggctcg gcgagcgtga tcagctcact caaaggcggg aatacggta tccacagaat caggggataa
2101 cgcaggaag aacatgtgag caaaaggcca gcaaaaggcc aggaaccgta aaaaggccgc gttgtgccc tttttccata ggctccgccc cctgacgag
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2301 ttcgacacct gccgcttacc ggatacctgt cgcctttct accttcggga agcgtggcgc ttctcaatg ctcacgctgt aggtatctca gttcgggtga
2401 ggtcgttccg tccaagctgg gctgtgtgca cgaaccccc gttcagccc accgctgccc cttatccggt aactatcgtc ttgagtccaa cccgtaaga
2501 cactacttat cgcactggc agcagccact ggtaaacaga ttagcagagc gaggtatgta ggcggtgcta cagagtctt gaagtgggtg cctaactacg
2601 gctacactag aaggacagta tttggtatct gcgctctgct gaagccagt accttcggaa aaagagtgg tagctcttga tccggcaaac aaaccaccg
2701 tggtagcggg ggtttttttg tttgcaagca gcagattacg cgcagaaaaa aagatctca agaagatcct ttgatcttt ctacggggtc tgacgctcag
2801 tggaaacgaaa actcagctta agggattttg gtcatgagat tatcaaaaag gatcttcacc tagatcctt taaattaaaa atgaagtttt aaatcaact
2901 aaagtatata tgagtaaac ttgtctgaca gttaccaatg cttaatcagt gaggcaccta tctcagcag ctgtctatct cgttcatoca tagttgctg
3001 actccccgtc gtgtagataa ctacgatacg ggagggctta ccatctggcc ccagtgtctc aatgataccg cgagaccac gctcaccggc tccagattta
3101 tcagcaataa accagccagc cgaaggggcc gagcgcagaa gtggtctctc aactttatcc gcctccatcc agtctattaa ttgtgcccgg gaagctagag
3201 taagtatttc gccagttaat agttttcgca acgttgttgc cattgttaca ggcacgtctg tgtcacgctc gtcgtttgg atggcttcat tcagctccg
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3601 aaaacgtttc tcggggcgaa aactctcaag gatcttaccg ctgttgagat ccagttcag gtaacccact cgtgcaccca actgactctc agcatcttt
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3801 tttttcaata ttattgaagc gtttatcagg gttattgtct catgagcgga tacatatttg aatgtattta gaaaaataaa caaatagggg tcccgcgac
3901 atttcccga aaagtgccac ctgactctca agaaaccatt attatcatga cattaaccta taaaaatagg cgtatcacga ggcctttctg tc

> RDC1264 Translated Insert Sequence

1 mkaqtalsff lilitslsgs qgifplaffi yvpmneqivi grldediilp ssfergsevv ihwkyqdsyk vhsyykgsdh lesqdpryan rtslfyneig
101 ngnaslffrr vslldegiyt cyvgtaiqvi tnkvvlkvqv fltpvmkyek rntnsflics vlsvyprpii twkmdntpis ennmeetgsl dsfsinspln
201 itgnsnyec tiensllkqt wtgrwtmkdg lhkmgsehvs lscqpvndyf spnqdfkvtw srmksgtfsv layllsssqn tiinesrfsw nkelinqsdf
301 smnlmdlsls dsgeylcnis sdeytlitih tvhvepsqet ashnkgllwl vpsailaafli liwsvkccra qllearsrhp adgaqgercc vppgercpsa
401 pdngeenvpl sgkv