*h*CLEC-2A VersaClone cDNA

Catalog Number: RDC1667

Specifications:

Gene:	*h*CLEC2A
Accession:	NP_001124183
Insert size:	538bp
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

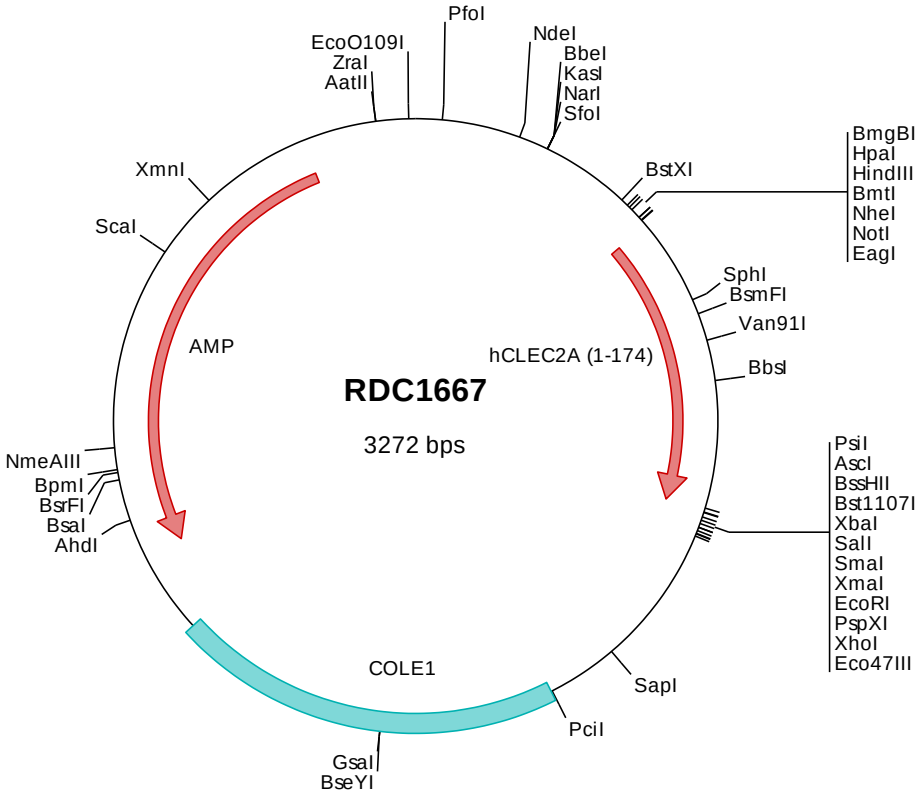
Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

*h*CLEC-2A cDNA Plasmid

CLEC2A C-type lectin domain family 2 member A [*Homo sapiens* (human)]

Also known as: KACL; PILAR; UNQ5792; INPE5792

Summary:
CLEC2A is a type II transmembrane glycoprotein in the C-type lectin superfamily. It is upregulated on antigen-activated CD8+ T cells and enhances T cell proliferation through interactions with CD161. CLEC2A is also expressed on keratinocytes and binds to NKp65/KLRF2, triggering NK cell activation.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

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> RDC1667 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 atgattaatc cagagctgcg ggatggcaga gctgatggct tcatacatcg
 501  gatagttccc aagttgatac aaaactggaa gattggcctt atgtgcttcc tgagtattat tattactaca gtttgcatta ttatgatagc cacatggtcc
 601  aagcatgcta aacctgtggc atgttcaggg gactggcttg gagtgagaga taagtgtttc tatttttctg atgataccag aaattggaca gccagtaaaa
 701  tattttgtag tttgcagaaa gcagaacttg ctcagattga tacacaagaa gacatggaat ttttgaagag gtacgcagga actgatatgc actggattgg
 801  actaagcagg aaacaaggag attcttggaa atggacaaat ggcaccacat tcaatggttg gtttgaaatt atagggaacg gatcctttgc tttcttgagt
 901  gctgatggag tccatagttc cagaggattt attgatatca agtggatttg cagcaaacct aaatatttct tataaaggcg cgccagtata ctctagagtc
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1201  aaacctgtcg tgccagctgc attaatgaat cggccaacgc gcggggagag gcggtttgcg tattgggcgc tcttccgctt cctcgctcac tgactcgctg
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1701  gctgtgtgca cgaaccccc gttcagcccg accgctgcgc cttatccggt aactatcgtc ttgagtccaa cccggtaaga cacgacttat cgccactggc
1801  agcagccact ggtaacagga ttagcagagc gaggtatgta ggcggtgcta cagagttctt gaagtggtgg cctaactacg gctacactag aaggacagta
1901  tttggtatct gcgctctgct gaagccagtt accttcggaa aaagagttgg tagctcttga tccggcaaac aaaccaccgc tggtagcggt ggtttttttg
2001  tttgcaagca gcagattacg cgcagaaaaa aaggatctca agaagatcct ttgatctttt ctacggggtc tgacgctcag tggaacgaaa actcacgtta
2101  agggattttg gtcatgagat tatcaaaaag gatcttcacc tagatccttt taaattaaaa atgaagtttt aaatcaatct aaagtatata tgagtaaact
2201  tggtctgaca gttaccaatg cttaatcagt gaggcaccta tctcagcgat ctgtctattt cgttcatcca tagttgcctg actccccgtc gtgtagataa
2301  ctacgatacg ggagggctta ccatctggcc ccagtgctgc aatgataccg cgagacccac gctcaccggc tccagattta tcagcaataa accagccagc
2401  cggaagggcc gagcgcagaa gtggtcctgc aactttatcc gcctccatcc agtctattaa ttgttgccgg gaagctagag taagtagttc gccagttaat
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2701  ggcagcactg cataattctc ttactgtcat gccatccgta agatgctttt ctgtgactgg tgagtactca accaagtcat tctgagaata gtgtatgcgg
2801  cgaccgagtt gctcttgccc ggcgtcaata cgggataata ccgcgccaca tagcagaact ttaaaagtgc tcatcattgg aaaacgttct tcggggcgaa
2901  aactctcaag gatcttaccg ctgttgagat ccagttcgat gtaacccact cgtgcaccca actgatcttc agcatctttt actttcacca gcgtttctgg
3001  gtgagcaaaa acaggaaggc aaaatgccgc aaaaaaggga ataagggcga cacggaaatg ttgaatactc atactcttcc tttttcaata ttattgaagc
3101  atttatcagg gttattgtct catgagcgga tacatatttg aatgtattta gaaaaataaa caaatagggg ttccgcgcac atttccccga aaagtgccac
3201  ctgacgtcta agaaaccatt attatcatga cattaaccta taaaaatagg cgtatcacga ggccctttcg tc
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> RDC1667 Translated Insert Sequence

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