*h*RIPK2/RIP2 VersaClone cDNA

Catalog Number: RDC3012

Specifications:

Gene:	*h*RIPK2
Accession:	NP_003812.1
Insert size:	1636bp
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

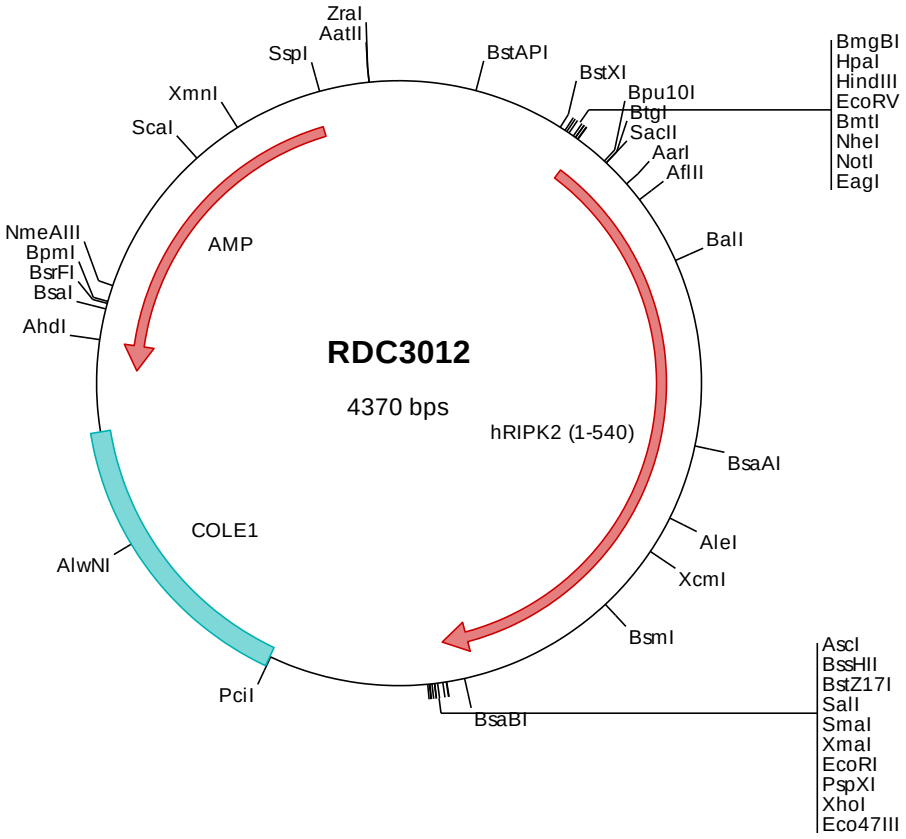
Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

*h*RIPK2/RIP2 cDNA Plasmid

RIPK2 receptor interacting serine/threonine kinase 2
[*Homo sapiens* (human)]

Also known as: CCK; RICK; RIP2; CARD3; GIG30; CARDIAK

Summary:
RIPK2 is a member of the receptor-interacting protein (RIP) family of serine/threonine protein kinases. It contains a C-terminal caspase activation and recruitment domain (CARD), and is a component of signaling complexes in both the innate and adaptive immune pathways. RIPK2 is a potent activator of NF-kappaB and inducer of apoptosis in response to various stimuli.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

R&D SYSTEMS
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> RDC3012 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 atgaacgggg aggccatctg cagcgccctg cccaccattc cctaccacaa
 501  actcgccgac ctgcgctacc tgagccgcgg cgcctctggc actgtgtcgt ccgcccgcca cgcagactgg cgcgtccagg tggccgtgaa gcacctgcac
 601  atccacactc cgctgctcga cagtgaaaga aaggatgtct taagagaagc tgaaatttta cacaaagcta gatttagtta cattcttcca attttgggaa
 701  tttgcaatga gcctgaattt ttgggaatag ttactgaata catgccaaat ggatcattaa atgaactcct acataggaaa actgaatatc ctgatgttgc
 801  ttggccattg agatttcgca tcctgcatga aattgccctt ggtgtaaatt acctgcacaa tatgactcct cctttacttc atcatgactt gaagactcag
 901  aatatcttat tggacaatga atttcatgtt aagattgcag attttggttt atcaaagtgg cgcatgatgt ccctctcaca gtcacgaagt agcaaatctg
1001  caccagaagg agggacaatt atctatatgc cacctgaaaa ctatgaacct ggacaaaaat caagggccag tatcaagcac gatatatata gctatgcagt
1101  tatcacatgg gaagtgttat ccagaaaaca gccttttgaa gatgtcacca atcctttgca gataatgtat agtgtgtcac aaggacatcg acctgttatt
1201  aatgaagaaa gtttgccata tgatatacct caccgagcac gtatgatctc tctaatagaa agtggatggg cacaaaatcc agatgaaaga ccatctttct
1301  taaaatgttt aatagaactt gaaccagttt tgagaacatt tgaagagata acttttcttg aagctgttat tcagctaaag aaaacaaagt tacagagtgt
1401  ttcaagtgcc attcacctat gtgacaagaa gaaaatggaa ttatctctga acatacctgt aaatcatggt ccacaagagg aatcatgtgg atcctctcag
1501  ctccatgaaa atagtggttc tcctgaaact tcaaggtccc tgccagctcc tcaagacaat gatttttttat ctagaaaagc tcaagactgt tattttatga
1601  agctgcatca ctgtcctgga aatcacagtt gggatagcac catttctgga tctcaaaggg ctgcattctg tgatcacaag accactccat gctcttcagc
1701  aataataaat ccactctcaa ctgcaggaaa ctcagaacgt ctgcagcctg gtatagccca gcagtggatc cagagcaaaa gggaagacat tgtgaaccaa
1801  atgacagaag cctgccttaa ccagtcgcta gatgcccttc tgtccaggga cttgatcatg aaagaggact atgaacttgt tagtaccaag cctacaagga
1901  cctcaaaagt cagacaatta ctagacacta ctgacatcca aggagaagaa tttgccaaag ttatagtaca aaaattgaaa gataacaaac aaatgggtct
2001  tcagccttac ccggaaatac ttgtggtttc tagatcacca tctttaaatt tacttcaaaa taaaagcatg taaaggcgcg ccagtatact ctagagtcga
2101  cacccgggga attcctcgag cgctcgtctc tagcttggcg taatcatggt catagctgtt tcctgtgtga aattgttatc cgctcacaat tccacacaac
2201  atacgagccg gaagcataaa gtgtaaagcc tggggtgcct aatgagtgag ctaactcaca ttaattgcgt tgcgctcact gcccgctttc cagtcgggaa
2301  acctgtcgtg ccagctgcat taatgaatcg gccaacgcgc ggggagaggc ggtttgcgta ttgggcgctc ttccgcttcc tcgctcactg actcgctgcg
2401  ctcggtcgtt cggctgcggc gagcggtatc agctcactca aaggcggtaa tacggttatc cacagaatca ggggataacg caggaaagaa catgtgagca
2501  aaaggccagc aaaaggccag gaaccgtaaa aaggccgcgt tgctggcgtt tttccatagg ctccgccccc ctgacgagca tcacaaaaat cgacgctcaa
2601  gtcagaggtg gcgaaacccg acaggactat aaagatacca ggcgtttccc cctggaagct ccctcgtgcg ctctcctgtt ccgaccctgc cgcttaccgg
2701  atacctgtcc gcctttctcc cttcgggaag cgtggcgctt tctcaatgct cacgctgtag gtatctcagt tcggtgtagg tcgttcgctc caagctgggc
2801  tgtgtgcacg aacccccccgt tcagcccgac cgctgcgcct tatccggtaa ctatcgtctt gagtccaacc cggtaagaca cgacttatcg ccactggcag
2901  cagccactgg taacaggatt agcagagcga ggtatgtagg cggtgctaca gagttcttga agtggtggcc taactacggc tacactagaa ggacagtatt
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3201  ggattttggt catgagatta tcaaaaagga tcttcaccta gatcctttta aattaaaaat gaagttttaa atcaatctaa agtatatatg agtaaacttg
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3601  tttgcgcaac gttgttgcca ttgctacagg catcgtggtg tcacgctcgt cgtttggtat ggcttcattc agctccggtt cccaacgatc aaggcgagtt
3701  acatgatccc ccatgttgtg caaaaaagcg gttagctcct tcggtcctcc gatcgttgtc agaagtaagt tggccgcagt gttatcactc atggttatgg
3801  cagcactgca taattctctt actgtcatgc catccgtaag atgcttttct gtgactggtg agtactcaac caagtcattc tgagaatagt gtatgcggcg
3901  accgagttgc tcttgcccgg cgtcaatacg ggataatacc gcgccacata gcagaacttt aaaagtgctc atcattggaa aacgttcttc ggggcgaaaa
4001  ctctcaagga tcttaccgct gttgagatcc agttcgatgt aacccactcg tgcacccaac tgatcttcag catcttttac tttcaccagc gtttctgggt
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4201  ttatcagggt tattgtctca tgagcggata catatttgaa tgtatttaga aaaataaaca aatagggggtt ccgcgcacat ttccccgaaa agtgccacct
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> RDC3012 Translated Insert Sequence

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101  gslnellhrk teypdvawpl rfrilheial gvnylhnmtp pllhhdlktq nilldnefhv kiadfglskw rmmslsqsrs sksapeggti iymppenyep
201  gqksrasikh diysyavitw evlsrkqpfe dvtnplqimy svsqghrpvi neeslpydip hrarmislie sgwaqnpder psflkcliel epvlrtfeei
301  tfleaviqlk ktklqsvssa ihlcdkkkme lslnipvnhg pqeescgssq lhensgspet srslpapqdn dflsrkaqdc yfmklhhcpg nhswdstisg
401  sqraafcdhk ttpcssaiin plstagnser lqpgiaqqwi qskredivnq mteaclnqsl dallsrdlim kedyelvstk ptrtskvrql ldttdiqgee
501  fakvivqklk dnkqmglqpy peilvvsrsp slnlllqnksm
```