*h*RIPK3/RIP3 VersaClone cDNA

Catalog Number: RDC2118

Specifications:

Gene:	*h*RIPK3
Accession:	NP_006862
Insert size:	1570bp
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

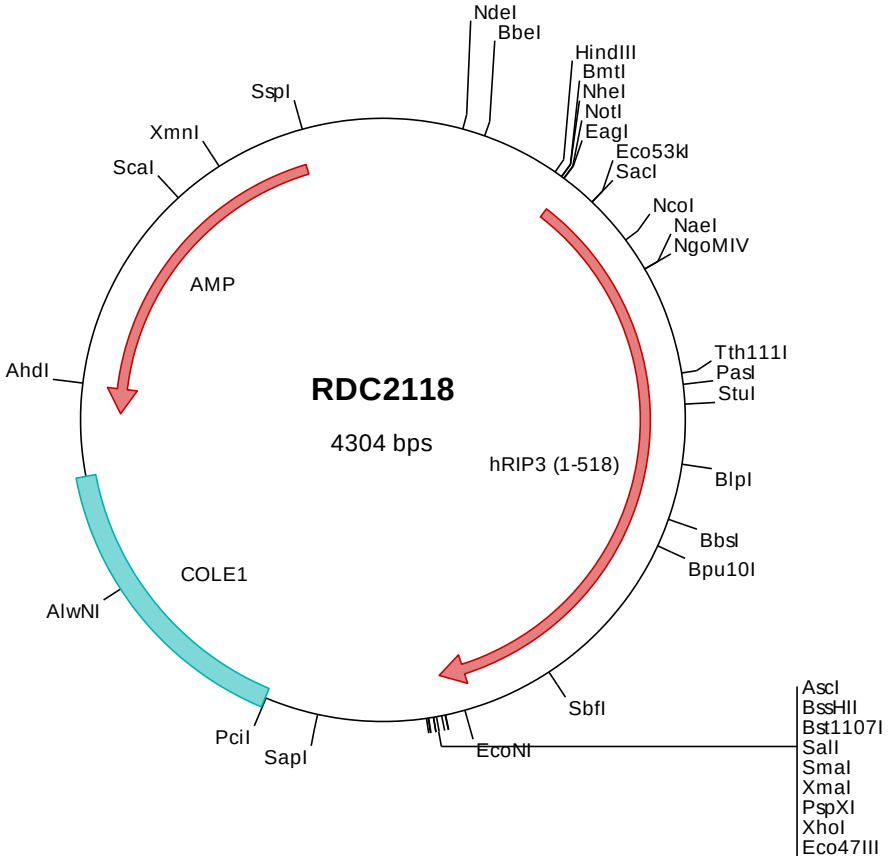
Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

*h*RIPK3/RIP3 cDNA Plasmid

RIPK3 receptor interacting serine/threonine kinase 3 [*Homo sapiens* (human)]

Also known as: RIP3

Summary:
RIPK3 is a member of the receptor-interacting protein (RIP) family of serine/threonine protein kinases, and contains a C-terminal domain unique from other RIP family members. It is predominantly localized to the cytoplasm, and can undergo nucleocytoplasmic shuttling dependent on novel nuclear localization and export signals. It is a component of the tumor necrosis factor (TNF) receptor-I signaling complex, and can induce apoptosis and weakly activate the NF-kappa B transcription factor.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

R&D SYSTEMS
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> RDC2118 Plasmid DNA Sequence

```
   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 atgtcgtgcg tcaagttatg gcccagcggt gcccccgccc ccttggtgtc
 501  catcgaggaa ctggagaacc aggagctcgt cggcaaaggc gggttcggca cagtgttccg ggcgcaacat aggaagtggg gctacgatgt ggcggtcaag
 601  atcgtaaact cgaaggcgat atccagggag gtcaaggcca tggcaagtct ggataacgaa ttcgtgctgc gcctagaagg ggttatcgag aaggtgaact
 701  gggaccaaga tcccaagccg gctctggtga ctaaattcat ggagaacggc tccttgtcgg ggctgctgca gtcccagtgc cctcggccct ggccgctcct
 801  ttgccgcctg ctgaaagaag tggtgcttgg gatgttttac ctgcacgacc agaacccggt gctcctgcac cgggacctca agccatccaa cgtcctgctg
 901  gacccagagc tgcacgtcaa gctggcagat tttggcctgt ccacatttca gggaggctca cagtcaggga cagggtccgg ggagccaggg ggcaccctgg
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1101  aagagaagtt gagttgccaa ccgaaccatc actcgtgtac gaagcagtgt gcaacaggca gaaccggcct tcattggctg agctgcccca agccgggcct
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1301  atgaagtctt ccagatggtg gagaacaata tgaatgctgc tgtctccacg gtaaaggatt tcctgtctca gctcaggagc agcaatagga gattttctat
1401  cccagagtca ggccaaggag ggacagaaat ggatggcttt aggagaacca tagaaaacca gcactctcgt aatgatgtca tggtttctga gtggctaaac
1501  aaactgaatc tagaggagcc tcccagctct gttcctaaaa aatgcccgag ccttaccaag aggagcaggg cacaagagga gcaggttcca caagcctgga
1601  cagcaggcac atcttcagat tcgatggccc aacctcccca gactccagag acctcaactt tcagaaacca gatgcccagc cctacctcaa ctggaacacc
1701  aagtcctgga ccccgaggga atcagggggc tgagagacaa ggcatgaact ggtcctgcag gaccccggag ccaaatccag taacagggcg accgctcgtt
1801  aacatataca actgctctgg ggtgcaagtt ggagacaaca actacttgac tatgcaacag acaactgcct tgcccacatg gggcttggca ccttcgggca
1901  aggggagggg cttgcagcac cccccaccag taggttcgca agaaggccct aaagatcctg aagcctggag caggccacag ggttggtata atcatagcgg
2001  gaaataaagg cgcgccagta tactctagag tcgacacccg gggaattcct cgagcgctcg tctctagctt ggcgtaatca tggtcatagc tgtttcctgt
2101  gtgaaattgt tatccgctca caattccaca caacatacga gccggaagca taaagtgtaa agcctggggt gcctaatgag tgagctaact cacattaatt
2201  gcgttgcgct cactgcccgc tttccagtcg ggaaacctgt cgtgccagct gcattaatga atcggccaac gcgcggggag aggcggtttg cgtattgggc
2301  gctcttccgc ttcctcgctc actgactcgc tgcgctcggt cgttcggctg cggcgagcgg tatcagctca ctcaaaggcg gtaatacggt tatccacaga
2401  atcaggggat aacgcaggaa agaacatgtg agcaaaaggc cagcaaaagg ccaggaaccg taaaaaggcc gcgttgctgg cgtttttcca taggctccgc
2501  cccctgacg agcatcacaa aaatcgacgc tcaagtcaga ggtggcgaaa cccgacagga ctataaagat accaggcgtt tccccctgga agctccctcg
2601  tgcgctctcc tgttccgacc ctgccgctta ccggatacct gtccgccttt ctcccttcgg gaagcgtggc gctttctcaa tgctcacgct gtaggtatct
2701  cagttcggtg taggtcgttc gctccaagct gggctgtgtg cacgaacccc ccgttcagcc cgaccgctgc gccttatccg gtaactatcg tcttgagtcc
2801  aacccggtaa gacacgactt atcgccactg gcagcagcca ctggtaacag gattagcaga gcgaggtatg taggcggtgc tacagagttc ttgaagtggt
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3001  acaaaccacc gctggtagcg gtggtttttt tgtttgcaag cagcagatta cgcgcagaaa aaaaggatct caagaagatc ctttgatctt ttctacgggg
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3501  gggaagctag agtaagtagt tcgccagtta atagtttgcg caacgttgtt gccattgcta caggcatcgt ggtgtcacgc tcgtcgtttg gtatggcttc
3601  attcagctcc ggttcccaac gatcaaggcg agttacatga tcccccatgt tgtgcaaaaa agcggttagc tccttcggtc ctccgatcgt tgtcagaagt
3701  aagttggccg cagtgttatc actcatggtt atggcagcac tgcataattc tcttactgtc atgccatccg taagatgctt ttctgtgact ggtgagtact
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3901  gctcatcatt ggaaaacgtt cttcggggcg aaaactctca aggatcttac cgctgttgag atccagttcg atgtaaccca ctcgtgcacc caactgatct
4001  tcagcatctt ttactttcac cagcgtttct gggtgagcaa aaacaggaag gcaaaatgcc gcaaaaaagg gaataagggc gacacggaaa tgttgaatac
4101  tcatactctt cctttttcaa tattattgaa gcatttatca gggttattgt ctcatgagcg gatacatatt tgaatgtatt tagaaaaata aacaaatagg
4201  ggttccgcgc acatttcccc gaaaagtgcc acctgacgtc taagaaacca ttattatcat gacattaacc tataaaaata ggcgtatcac gaggcccttt
4301  cgtc
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> RDC2118 Translated Insert Sequence

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 101  slsgllqsqc prpwpllcrl lkevvlgmfy lhdqnpvllh rdlkpsnvll dpelhvklad fglstfqggs qsgtgsgepg gtlgylapel fvnvnrkast
 201  asdvysfgil mwavlagrev elptepslvy eavcnrqnrp slaelpqagp etpgleglke lmqlcwssep kdrpsfqecl pktdevfqmv ennmnaavst
 301  vkdflsqlrs snrrfsipes gqggtemdgf rrtienqhsr ndvmvsewln klnleeppss vpkkcpsltk rsraqeeqvp qawtagtssd smaqppqtpe
 401  tstfrnqmps ptstgtpspg prgnqgaerq gmnwscrtpe pnpvtgrplv niyncsgvqv gdnnyltmqq ttalptwgla psgkgrglqh pppvgsqegp
 501  kdpeawsrpq gwynhsgk
```