

Product datasheet for **SC117734**

RIP2 (RIPK2) (NM_003821) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RIP2 (RIPK2) (NM_003821) Human Untagged Clone
Tag:	Tag Free
Symbol:	RIP2
Synonyms:	CARD3; CARDIAK; CCK; GIG30; RICK; RIP2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

>OriGene ORF sequence for NM_003821 edited
 ATGAACGGGGAGGCCATCTGCAGCGCCCTGCCACCATTCCCTACCACAACTCGCCGAC
 CTGCGCTACCTGAGCCGCGGCGCCTCTGGCACTGTGTCGTCGCCCGCCACGCAGACTGG
 CGCGTCCAGGTGGCCGTGAAGCACCTGCACATCCACACTCCGCTGCTCGACAGTGAAGA
 AAGGATGTCTTAAGAGAAGCTGAAATTTTACACAAAGCTAGATTTAGTTACATTCCTCCA
 ATTTTGGGAATTTGCAATGAGCCTGAATTTTGGGAATAGTTACTGAATACATGCCAAAT
 GGATCATTAAATGAACTCCTACATAGGAAAAGTGAATATCCTGATGTTGCTTGGCCATTG
 AGATTTTCGATCCTGCATGAAATGGCCCTGGTGTAAATTAACCTGCACAATATGACTCCT
 CCTTTACTTCATCATGACTTGAAGACTCAGAATATCTTATTGGACAATGAATTCATGTT
 AAGATTGCAGATTTTGGTTTATCAAAGTGGCGCATGATGTCCCTCTCACAGTCACGAAGT
 AGCAAATCTGCACCAGAAGGAGGACAATTATCTATATGCCACCTGAAAAGTATGAACT
 GGACAAAATCAAGGGCCAGTATCAAGCACGATATATATAGCTATGCAGTTATCACATGG
 GAAGTGTATCCAGAAAACAGCCTTTTGAAGATGCACCAATCCTTTCAGATAATGTAT
 AGTGTGCACAAGGACATCGACCTGTTATTAATGAAGAAAGTTTGGCCATATGATACCT
 CACCGAGCACGTATGATCTCTAATAGAAAGTGGATGGGCACAAAATCCAGATGAAAGA
 CCATCTTTCTTAAATGTTAATAGAAGTGAACCAAGTTTGGAGAACATTTGAAGAGATA
 ACTTTTCTTGAAGCTGTTATTCAGCTAAAGAAAACAAAGTTACAGAGTGTTCAGTGC
 ATTTACCTATGTGACAAGAAGAAAATGGAATTATCTCTGAACATACCTGTAAATCATGGT
 CCACAAGAGGAATCATGTGGATCCTCTCAGCTCCATGAAAATAGTGGTTCCTGAAACT
 TCAAGTCCCTGCCAGCTCCTCAAGACAATGATTTTTTATCTAGAAAAGCTCAAGACTGT
 TATTTTATGAAGTGCATCACTGTCCTGGAAATCACAGTTGGGATAGCACCATTTCTGGA
 TCTCAAAGGGCTGCATTTCTGTGATCACAAGACCACTCCATGCTCTTCAGCAATAATAAT
 CCACTCAACTGCAGGAAACTCAGAAGTCTGCAGCCTGGTATAGCCAGCAGTGGATC
 CAGAGCAAAAGGGAAGACATTGTGAACCAATGACAGAAGCCTGCCTTAACCAAGTCGCTA
 GATGCCCTTCTGTCCAGGACTTGCATGAAAGAGGACTATGAACTTGTAGTACCAAG
 CCTACAAGGACCTCAAAGTCAAGCAATTAAGTACACTACTGACATCCAAGGAGAAGAA
 TTTGCCAAAGTTATAGTACAAAATGAAAGATAACAAACAAATGGGTCTTCAGCCTTAC
 CCGGAAATACTTGTGGTTCTAGATCACCATCTTAAATTTACTTCAAAAATAAAGCATG
 TAA

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_003821 unedited
 NTTGTTCAAATTTTGNATACGACTCACTATAGGGCGGCCGNAATCGGCACGAGGGGC
 CTCGCTCGTGCAGGGGCTATCTGGGCGCCTGAGCGCGCGTGGGAGCCTTGGGAGCCGC
 CGCAGCAGGGGGCACACCCGGAACCGGCCCTGAGCGCCCGGACCATGAACGGGGAGGCCA
 TCTGCAGCGCCCTGCCACCATTCCCTACCACAACTCGCCGACCTGCGCTACCTGAGCC
 GCGGCGCCTCTGGCACTGTGTCGTCGCCCGCCACGCAGACTGGCGGTCCAGGTGGCCG
 TGAAGCACCTGCACATCCACACTCCGCTGCTCGACAGTGAAGAAAGGATGTCTTAAAG
 AAGCTGAAATTTTACACAAAGCTAGATTTAGTTACATTCCTTCAATTTTGGGAATTTGCA
 ATGAGCCTGAATTTTGGGAATAGTTACTGAATACATGCCAAATGGATCATTAAATGAAC
 TCCTACATAGGAAAAGTGAATATCCTGATGTTGCTTGGCCATTGAGATTTTCGATCCTGC
 ATGAAATTTGCCCTTGGTGTAAATTAACCTGCACAATATGACTCCTCCTTTACTTCATCATG
 ACTTGAAGACTCAGAATATCTTATTGGACAATGAATTTTCATGTTAAGATTGCAGATTTT
 GTTTATCAAAGTGGCGCATGATGTCCTCTCACAGTCACGAAGTGCANATCTGCACCAG
 AAGGAGGGACATTATCTATATGCCACCTGAAAAGTATGAACCTGGACCAAAATCAAGGG
 CCAGTATCAAGCACGATATATATAGCTATGCAGTTATCACATGGGNAAGTGTATCCAGA
 AAACAGCCCTTTTGAAGATGTCACCAATCCTTTTGCAGATATGTATAGGGTGTACAAGG
 ACATCGACCTGGTATAA

Locus ID:	8767
UniProt ID:	O43353
Cytogenetics:	8q21.3
Domains:	pkinase, TyrKc, CARD, S_TKc
Protein Families:	Druggable Genome, Protein Kinase
Protein Pathways:	Neurotrophin signaling pathway, NOD-like receptor signaling pathway
Gene Summary:	This gene encodes a member of the receptor-interacting protein (RIP) family of serine/threonine protein kinases. The encoded protein 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. It is a potent activator of NF-kappaB and inducer of apoptosis in response to various stimuli. [provided by RefSeq, Jul 2008]