

Product datasheet for **MC203374**

Ripk2 (NM_138952) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ripk2 (NM_138952) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ripk2
Synonyms:	2210420D18Rik; CAR; CARD3; CARDIAK; CCK; D4Bwg0615e; R; RI; RICK; RIP2
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC069878
 CCCACGCGTCCGCCACGCGTCCGCACAGCTGACCGGGCCGGAAGTGCAGCGGCCACGCGGGAATGGGCC
 GCCCCGGGACCTAGCGCCGCGGCCAGGGTGGGGCGGAGCCGCCGCGCAGCCGGAGCCATGAACGGGGACG
 CCATCTGCAGCGCGCTACCCCCATCCCGTACCACAAGCTCGCCGACCTGCACTACCTCAGCCGGGGCGC
 CTCTGGCAGGCTCTCGTCCGCACGACACGCACTGGCGCGTGGGGTGGCAGTGAAGCACCTACACATC
 CACACGCCGCTGCTCGACAGTGAAGAAATGATATCTTACGAGAAGCCGAAATATTACATAAAGCAAGAT
 TTAGTTACATTTCCAATTTTGGGAATTTGCAATGAGCCTGAATTTTTGGGCATAGTTACTGAATACAT
 GCCAAATGGATCATTAAATGAGCTTCTACACAGAAAACTGAATATCCTGATATTGCATGGCCATTGAGA
 TTCCGCATCCTGCATGAAATTGCTTGTGTAAATTATCTGCACAATATGAACCCCTCTGCTTCATC
 ATGACCTAAAGACTCAGAATATCTTGTGGATAATGAATTTTCAATGTTAAGATTGCAGATTTTGGTTTATC
 AAAATGGCGCATGATGCTACTCTCAATCACGAAGTTACAAATCTGCACCCGAAGGAGGAACAATCATC
 TATATGCCACCTGAGAACTATGAGCCAGGACAGAAATCAAGGGCCAGTGTGAAGCATGATATACAGCT
 ATGCAGTTATCATGTGGGAAGTGTATCCAGAAAAACAGCCTTTTGAAGAGGTACCAATCCTTTGCAGAT
 CATGTACAGTGTGCCAGGACATCGACCTGACACCAGTGAGGAGAATTTGCCATTTGATATACCTCAT
 CGAGGTCTCATGATCTCTAATACAGAGTGGATGGGCGCAAAACCCAGATGAAAGACCATCCTTTTTGA
 AATGCTTAATAGAACTTGAACAGTTCTGAGAACATTTGAAGACATAACTTTCCTTGAGGCTGTTATTCA
 GCTAAAGAAAGCAAAGATACAGAGTTCCCTCAAGTACTATTCACTTATGTGATAAGAAAATGGATTTATCG
 CTAACATACCTGCAATCATCCCCACAGGAGGAATCGTGTGGATCCTCTCTGCTCTAGAAACACTG
 GTTCTCCTGGACCCTCCAGATCCCTATCAGCTCCTCAAGACAAGGGATTTTATCTGGAGCACCTCAAGA
 CTGCTCTTCGTTGAAGGCACACCACTGTCTGAAACCACAGCTGGGATGGTATCGTTTCTGTACCACCA
 GGGGCAGCCTTCTGTGATCGCAGGGCCTCCTCGTTCCTTGGCTGTAATAAGTCCATTCTTGGTTGAGA
 AAGTTTACAGCGCCCAACCAATTGGTATAGCCCAACAGTGGATCCAGAGTAAGAGGGAAGCCATTGTGAG
 CCAGATGACTGAAGCCTGCCTTAACCAATCGCTGGACGCCCTTCTGTCTGTGACCTGATCATGAAGGAG
 GACTATGAACTCATTAGCACCAACCTACAAGGACCTCAAAAGTCAGACAGCTGATAGTACGCTTGACA
 TCCAAGGAGAAGAGTTTCCAAAGTTGTAGTGCAGAAAGTTGAAAGATAACAAGCAGCTGGGGCTGCAGCC
 TTACCCAGAAGTACCTGTGCTTTCCAAAGCACCCTTCAAATTTCCCTCAGAATAAAGCTTGTAAAGGG
 GGCCTTCTTTGGGAGGAAGTCAAGTTTACAAATGGTTATTTATATTTCTGTACCTGTATAATATTTGTAT
 AGAAAACATGAGAGTATTAGACGCTTCACTGAAGTTGATGGAAGAGTCTTCCCATGACGTTGCAGTA
 TTTTTTAAATTAATATAAGTAAAAAGTTGCTTTAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_138952

Insert Size: 1620 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [BC069878](#), [AAH69878](#)

RefSeq Size: 1948 bp

RefSeq ORF: 1620 bp

Locus ID: 192656

UniProt ID: [P58801](#)

Cytogenetics: 4 6.7 cM

Gene Summary: This gene encodes a member of the receptor-interacting protein family of serine/threonine protein kinases. The encoded protein contains a C-terminal caspase activation and recruitment domain, and is a component of signaling complexes in both the innate and adaptive immune pathways. It is a potent activator of nuclear factor kappa B and inducer of apoptosis in response to various stimuli. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Jul 2016]
Transcript Variant: This variant (1) represents the shortest transcript and encodes the longest isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.