

Product datasheet for **RR212430**

Ripk1 (NM_001107350) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ripk1 (NM_001107350) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ripk1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide
Sequence:**

>RR212430 representing NM_001107350
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCAGCCAGACATGTCCTTGGACAATATTTAAATGGCATCCGATGACCTGCTGGAGAGGAAAGACCTGG
 ACAGCGGAGGCTTCGGGAAGGTGTCCTTGTGTTCCACAGAACCCATGGATTTGTCATCCTGAAAAAAGT
 ATACACGGGACCAACCGCGCTGAGTACAATGAGGCTCTCTTGGAAAGAGGGGAAGATGATGCACAGACTG
 AGACACGATCGAGTGGTGAAGCTACTGGGCATCATCATAGAGGAGGGGAATTACTCGCTGGTGTGGAGT
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 GATAATCGTGGAGATCATAGAAGGCATGCACTACTTACATGACGAAGGTGTAATACACAAGGACCTGAAG
 CCTGAAAATATCCTCGTTGACCGTGACTTTCACATTAAGATAGCCGATCTTGGTGTGGCTTCTTTAAGA
 CATGGAGCAAACCTGACTAAGGAGGAACACAACAAGCAGAGGGAGGCCAGCAGCGTCACCAAGAAGAACGG
 AGGCACCTCTACTACATGGCACCGGAACCTGACTGACATCAACACAAAGCCACAGAGAAGTCAGAT
 GTGTACAGCTTCGCCATTGTGCTTTGGCAATATTTGCTAATAAGGAGCCCTATGAGAATGTCATCTGTA
 CTGAGCAGTTCTTGGTCTGCATAAACTCTGGGAACAGGCCAAATGTGGAGGACATCCTTGAGTTCTGTCC
 AAGGGAGATCATCAGCCTCATGGAGCGGTGTTGGCAGACCAACCCAGAAGACAGGCCAACATTTTTTGGC
 ATTGAAAAAGAATTTAAGCCTTTTTACTTAAGTCAATTTGAAGAATATGTAGAAGAGGATGTGGCAAGTT
 TAAAGAAAAGATATCCAAGTCAAAGCCAGTTTTGAAGAGAATGTTTTCTCTGCAGCATGACTGTGTGCC
 CTTACCTCCAAGCAGGTCAAATTCAGAACAACCCGGTTCGCTGCACAGTCCCAGGGACTCCCAATGGGA
 CCTGTGGAGGAGTCTGGTTTTCTTCTCCCGAGAGTACCCACAGGAAGAGAATGAGCGCAGTGTGCAGG
 CTAAACTGCAAGAGGAAGCCAGCTATCATGCTTTTGGAAATATTTGCGGAAAAACAGACAAAATCACAGCC
 AAGGCTGAATGAGGCTTACAACAGAGAGGAGGAAAGGAAGCGAAGGGTCTCCCATGACCCCTTTCACAG
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 GAAATGCAGCGCACCCAGCTGTCAGGGCCAGCCAGCCAAATCAAAGTGCCACTTTGGAACAACGGAGTATA
 TAATCATCATGGGTTTGGAGCTACAGGTACAGGAGTTTGGTATGGGCCAAGTGTAAAGCCAATCATATAAT
 GCTTATAAACTCCAGTGCCTGAGACCAACCTACCAGGAAGCATACCCACCATGCCATACATCTCCTTGG
 CACCACCAGATGACTCCATAAGATGTACTATATACAATAGTTCTCGTGTTCAGATTGGAACTACAACATA
 TATGGATCTTGGACCGAGTTCACAACCACCAACCAACTTGCAAAGTAGAGTCAACTTCCAGGCATCAA
 GCCGTCTTCGCTAACCCACTAGCCTGACTGATAAACACCTGAACCCATCAGGGAAAACATGGGAAAGC
 AGTGGAAAAACTGTGCCGAAAGCTGGGCTTCACTGAGTCTCAGATCGACGAAATCGACCATGACTATGA
 AAGAGATGGACTGAAAGAGAAAGTTTACAAAATGCTTCAGAAGTGGCTGATGCGGGAAGGCCAACGGGA
 GCCACGGTGGGAAAGCTGGCCAGGCTTTCACCAGTGTTCAGGACAGACCTGTGTAACCAAGCTGATTC
 AGGCCAGCCAGAGT

ACGCGTACGCGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR212430 representing NM_001107350
Red=Cloning site Green=Tags(s)

MQPMSLDNIKMASDDLLEKDLDSGGFGKVS LCFHRTG FVILKKVYTGPNRAEYNEALLEEGKMMHRL
 RHDRVVKLLGIIIEEGNYSLVMEYMEQGNLMHVLKTKESVPLSVKGRIIVEIIIEGMHYLHDEGVIIHKDLK
 PENILVDRDFHIKIADLGVASFKTWSKL TKEEHNKQREASSVTKKNGGTLYYMAPEHLTDINTKPTEKSD
 VYSFAIVLWAFANKEPYENVICTEQFLVCINSGNRPNVEDILEFCPREIISLMERCWQTNPEDRPTFFG
 IEKEFKPFYLSQFEEYVEEDVASLKKKEYSPVLKRMFSLQHDCVPLPPSRSNSEQPGSLHSSQGLPMG
 PV EESWFSSSPEYPQEENERSVQAKLQEEASYHAFGIFA EKQTKSQPRLNEAYNREEERKR RVSHDPFAQ
 QR VHENVKSAGAKGLPYPSTTSHGNAHQLSGPASQIKVPLWNGVYNHGHFGATGTGVWYGPSVSQS
 SYNAYKTPVETNLPGSIPTMPYISLAPPDDIRCTIYNSSRVQIGNYNYMDLGPSSQPPTNTCKVESTSRHQ
 AVFANTTSLTDKHLNPIRENMGKQWKNCAKRLGFTESQIDEIDHDYERDGLKEKVYQMLQKWL MREGTKG
 ATVGKLAQALHQCCRTDLLNQLIQASQS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_001107350

ORF Size: 1974 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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: [NM_001107350.1](#), [NP_001100820.1](#)

RefSeq Size: 4526 bp

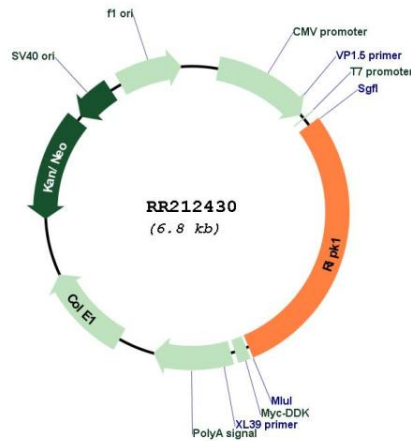
RefSeq ORF: 1977 bp

Locus ID: 306886

Cytogenetics: 17p12

MW: 74.8 kDa

Product images:



Circular map for RR212430