

## Product datasheet for **RR207952**

### Ripk3 (NM\_139342) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ripk3 (NM_139342) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ripk3
Synonyms:	Hcyp2; Rip3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>RR207952 representing NM\_139342  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGTCCTTCTGTCAAGTTATGGCTCAATGGTGCCTCATCGATCTCTCTCGTGGGCTCTGAAGAACTGGAGA  
 ACCTAGGATTTGTGGCAAAGGCGGGTTCGGAGCCGTGTTCCGGGCACGCCACACAGCATGGAACCTTGA  
 TGTAGCAGTCAAGATCGTGAACCGAAGAAGATATCCAGGGAGGTGAAGGCTATGGTGAATCTTCGTCAT  
 GAGAACGTGCTGCTCCTGCTGGGGTCACTGAGAACCTCGAGTGGGACTACGTGTACGGGCCGGCTCTGG  
 TGACAGGATTCATGGAGAACGGCTCCCTCTCAGGGCTGCTGCAACCTTCATGCCCTCGGCCCTGGCCTCT  
 CCTCTGTCGCTGCTAGAGGAAGTGGTCTGGGATGTGCTACCTACACAGCTTGAACCTTCGCTACTG  
 CACCGGGACCTCAAGCCCTCCAATGTTCTGCTGGATCTAGAGCTCCACGCCAAGTTAGCAGACTTTGGCC  
 TGTCACATTTACAGGAGGGTACAGTCAAGGTCAGGTCAGGATCGAGAGATTCTGGGGCACCCCTAGC  
 TTAAGTGGCCCCAGAGCTGTTGGATAATGACGGAAAGGCTTCTAAAGCAAGTGATGTTTACAGTTTGGG  
 GTCCCTCGTGTGGACAGTGTGGCTGGAAGAGAAGCTGAGGTGGTAGACAAGACCTCACTAATTCGTGGAG  
 CAGTGTGTAAACAGGCAGAGGCGACCTCCATTGACAGAGCTGCCTCCGGACAGCCCTGAGACTCCTGGCTT  
 AGAAGGACTGAAGGAGTTAATGACGCATTGCTGGAGTTCTGAGCCTAAAGACAGGCCATCCTTCCAAGAC  
 TGTGAATCAAAAACCAATAATGTTTACATCCTGGTACAGGACAAGGTAGATGCTGCTGTCTCCAAGGTAA  
 AGCATTATCTGTCTCAGTACAGAAGCAGTGACACAAAGTTGTCTGCCAGAGAGTCCAGCCAAAAGGTAC  
 AGAGGTGGATTGCCCCAGGAAACCATAGTTTATGAAATGCTGGACCCCTGCATCTGGAGGAGCCCTCT  
 GGATCAGTTCCTGAAAGACTCACAAGTCTTACTGAGAGGAGAGGAAAGGAAGCATCATTTGGGCATGCCA  
 CACCAGCAGGGACATCATCTGACACCTTGGCTGGCACTCCCCAAATCCACATACTCTACCTCCAGAGG  
 CACAACACCTAGGCCAGCCTTTACTGAGACTCCAGGTCCAGCCCAAGGAATCAGGGAGATGGAAGA  
 AACAGCAATCCTTGGTACACCTGGAACGCACCAACCCAATGACAGGCCTACAGTCTATTGTCTTAAACA  
 ACTGTTCTGAAGTGCAGATTGGACAACCAACTGCATGTCAGTACAACCGAGAAGTGCCTTCCCAAGAA  
 GGAGCCAGCACAGTTCGGCAGGGGTAGGGGCTGG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR207952 representing NM\_139342  
 Red=Cloning site Green=Tags(s)

MSSVKLWLNASSISLVGSELENLGFVKGGFVAVFRARHTAWNLDVAVKIVNSKKISREVKAMVNLRH  
 ENVLLLLGVTENLEWDYVYPALVTGFMENGLSGLLQPSCRWPPLLCRLLEEVVLGMCYLHSLNPSLL  
 HRDLKPSNVLLDLELHAKLADFLSTFQGGSSQSGSGSRDSSGTLAYLAPELLDNDGKASKASDVYSFG  
 VLVWTVLAGRAEVVDKTSLIRGAVCNRRPPLTELPDPEPTGLEGLKELMTHCWSSEPKDRPSFQD  
 CESKTNVYIILVQDKVDAAVSKVKHYLSQYRSSDTKLSARESSQKGTVEVDCPRETIVYEMLDRLHLEEPS  
 GSVPERLTSLTERRGKEASFHATPAGTSSDTLAGTPQIPHTLPSRGTTPRPAFTETPGPDPQRNQDGR  
 NSNPWYTNAPNPMGLQSIIVLNNCSEVQIGQHNMSVQPRTAFPKKEPAQFGRGRGW

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

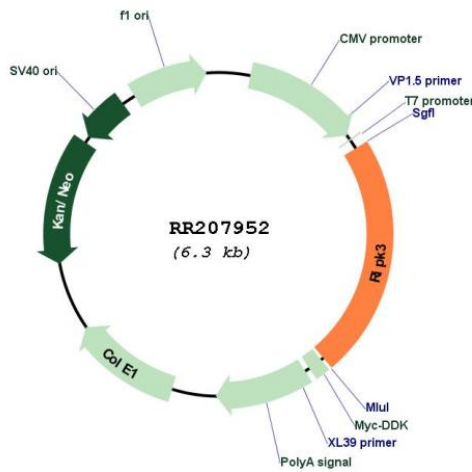
**Restriction Sites:**

Sgfl-Mlul

Cloning Scheme:



Plasmid Map:



ACCN:

NM\_139342

ORF Size:

1434 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\\_139342.1](#), [NP\\_647558.1](#)

**RefSeq Size:** 2015 bp

**RefSeq ORF:** 1437 bp

**Locus ID:** 246240

**UniProt ID:** [Q9Z2P5](#)

**Cytogenetics:** 15p13

**MW:** 52.2 kDa

**Gene Summary:** a putative homocysteine respondent protein [RGD, Feb 2006]