

Product datasheet for **RR200230**

Mprip (NM_053814) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Mprip (NM_053814) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Mprip
Synonyms: M-rip; Mrip; p116Rip; Rhoip3
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR200230 representing NM_053814
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGGATCGCC

ATGTCGGCGGCCAAGGAGAACCCGTCAGAAAAATTCAGGCCAACATCTTCAACAAGAGCAAGTGTGAG
ACTGCTTCAAGCCCCGCGAGTCGCATCTGCTCAACGACGAGGACCTGACGCAGGCAAACCCATTTATGG
TGGCTGGCTGCTCCTGGCTCCAGATGGCACCAGCTTTGACAACCCAGTACACCGGTACGGAAATGGCAG
CGACGATTCCTCATCCTTATGAGCATGGCCTCTTGCGATATGCCCTGGATGAGATGCCACCACCCTTC
CTCAGGGCACCATCAACATGAACCAAGTGCACAGATGTGGTGGATGGGGAGGCCCGCACAGGGCAGAAGTT
CTCCCTCTGCATCCTAACACCTGACAAGGAACATTTTATCAGGGCAGAAACGAAGGAGATCATCAGTGGG
TGGTTAGAGATGCTCATGGTATATCCTCGAACCAACAAGCAGAACCAGAAGAAGAAACGGAAAGTAGAGC
CACCTACGCCACAGGAACCTGGGCTGCTAAGATGGCTGTCACTAGCAGTAGTGGTGGCAGCAGTGGAAAG
CAGC
CAGGAAGAAATGAGAGCCAAAGACCAACCTGATGGGACCAGCTGAGTCCAGTTCCAGAGTCCCAGCCAAA
GCCAACCTCTGCTGCTTGCAACCCACGGGAAACAGGGCTAGACAGCAAAGAAGATGAAAACATTTTAAG
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CGGGACTTTGCCAGCAAACCCACAGCTCCTCTCTCAGATGCTTGTCCCTGTCTCCACACCGAAGAG
CCAAGTCATTGGACAGGAGGTCCACAGAATCCTCCATGACGCCTGACCTGCTGAATTTCAAGAAAGGCTG
GCTAACCAAGCAGTATGAGGATGGCCAGTGAAGAAACACTGGTTTGTCCCTGGCAGATCAGAGCCTGAGA
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GCCCCAGATGTGACCAGCTCATTGCCTGAGGAAAGAATAAAAGCACATCTTTTGATACCTGCTTAAAGGC



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CAAGTGAGAAGCAAGAAGCTGAGCCAGGAGAACCAGATCCTGAGCAGAAGAAAAGCCGTGCACGAGAGCG
 GAGGCGGGAGGGTCGCTCCAAGACCTTTGACTGGGCTGAATTCGCCCCATCCAACAGGCCCTGGCTCAA
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ACGCGTACGCGGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTAA

Protein Sequence:

>RR200230 representing NM_053814
 Red=Cloning site Green=Tags(s)

MSAAKENPCRKFQANIFNKSCKQNCFKPRESHLNDEDLTQAKPIYGGWLLLAPDGTDFDNPVHRSRKWQ
 RRFIFILYEHGLLRYALDEMPPTLPQGTINMNQCTDVVDGEARTGQKFSLCILTPDKEHFIRAETKEIISG
 WLEMLMVPRTNKQNKKKRKEPPTPQEPGPAKMAVTSSSGGSSGSSSSSSSSSIPSAEKVPTTKSTLW
 QEEMRAKDQPDGTSLSPVQSPSQSPPAACTPRETGLDSKEDENILSGDRVDGGRKVRVESGYFSLEKAK
 QDLRAEEQLPPLSPPSPSTPHSRRSQVIEKFEALDIEKAEHMETNMLILTTPSSDTRQGRSERRAIPRK
 RDFASETPTAPLSDACPLSPHRRAKSLDRRSTESSMTPDLLNFKKGWLTQYEDGQWKKHWFVLADQSLR
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 APDVTSSLPEGKNKSTSFDTCLRPSEKQEAEPGEPDPEQKSRARERRRREGRSKTFDWAEFRPIQQALAQ
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 LAQALEAERQALRQCQRENQELNAHNQELNNRLAAEITRLRLLTGEGGGESTGLPLTQGKDAYELEVLL
 RVKESIQLKQEISSLKDELQALRDKKYASDKYKDIYTELSIAKAKADCDISRLEKQLKAATEALGEK
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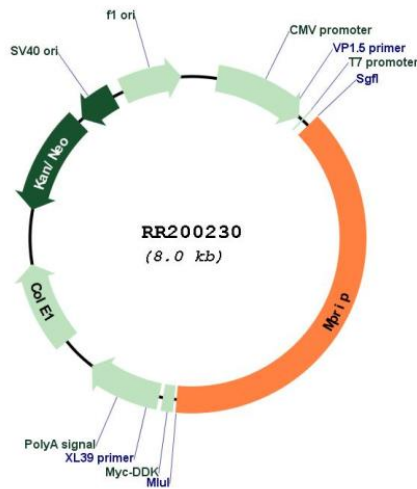
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_053814

ORF Size:

3087 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:	<ol style="list-style-type: none">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:	<u>NM_053814.2</u> , <u>NP_446266.2</u>
RefSeq Size:	3917 bp
RefSeq ORF:	3090 bp
Locus ID:	116504
UniProt ID:	<u>Q9ERE6</u>
Cytogenetics:	10q22
MW:	117 kDa
Gene Summary:	mouse homolog binds F-actin and may play a role in F-actin bundling and cytoskeleton organization [RGD, Feb 2006]