OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for SC106406

MPRIP (AL834513) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MPRIP (AL834513) Human Untagged Clone
Tag:	Tag Free
Symbol:	MPRIP
Synonyms:	M-RIP; MRIP; p116Rip; RHOIP3; RIP3
Mammalian Cell Selection:	None
Vector:	pCMV6-XL4
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for AL834513, the custom clone sequence may differ by one or more nucleotides

GACCTGACGCAGGCAAAACCCATTTATGGCGGTTGGCTGCTCCTGGCTCCAGATGGGACCGACTTTGACA
ACCCAGTGCACCGGTCTCGGAAATGGCAGCGACGGTTCTTCATCCTTTACGAGCACGGCCTCTTGCGCTA
CGCCCTGGATGAGATGCCCACGACCCTTCCTCAGGGCACCATCAACATGAACCAGTGCACAGATGTGGTG
GATGGGGAGGGCCGCACGGGCCAGAAGTTCTCCCTGTGTATTCTGACGCCTGAGAAGGAGCATTTCATCC
GGGCGGAGACCAAGGAGATCGTCAGTGGGTGGCTGGAGATGCTCATGGTCTATCCCCGGACCAACAAGCA
GAATCAGAAGAAGAAACGGAAAGTGGAGCCCCCCACACCACAGGAGCCTGGGCCTGCCAAGGTGGCTGTT
ACCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCATCCCCAGTGCTGAGAAAGTCCCCACCACCAAGTCCA
CACTCTGGCAGGAAGAAATGAGGACCAAGGACCAGCCAGATGGCAGCAGCCTGAGTCCAGCTCAGAGTCC
CAGCCAGAGCCAGCCTCCTGCTGCCAGCTCCCTGCGGGAACCTGGGCTAGAGAGCAAAGAAGAGGAGAGC
GCCATGAGTAGCGACCGCATGGACTGTGGCCGCAAAGTCCGGGTGGAGAGCGGCTACTTCTCTCTGGAGA
AGACCAAACAGGACTTGAAGGCTGAAGAACAGCAGCTGCCCCCGCCGCTCTCCCCTCCCAGCCCCAGCAC
CCCCAACCACAGGAGGTCCCAGGTGATTGAAAAGTTTGAGGCCTTGGACATTGAGAAGGCAGAGCACATG
GAGACCAATGCAGTGGGGCCCTCACAATCCAGCGACACACGCCAGGGCCGCAGCGAGAAGAGGGCGTTCC
CTAGGAAGCGGGACTTCACCAATGAAGCCCCCCCAGCTCCTCTCCCAGACGCCTCGGCTTCCCCCCTGTC
TCCACACCGAAGAGCCAAGTCACTGGACAGGAGGTCCACGGAGCCCTCCGTGACGCCCGACCTGCTGAAT
TTCAAGAAAGGCTGGCTGACTAAGCAGTATGAGGACGGCCAGTGGAAGAAACACTGGTTTGTCCTCGCCG
ATCAAAGCCTGAGATACTACAGGGATTCAGTGGCTGAGGAGGCAGCCGACTTGGATGGAGAAATTGACTT
GTCCGCATGTTACGATGTCACAGAGTATCCAGTTCAGAGAAACTATGGCTTCCAGATACATACAAAGGAG
GGCGAGTTTACCCTGTCGGCCATGACATCTGGGATTCGGCGGAACTGGATCCAGACCATCATGAAGCACG
TGCACCCGACCACTGCCCCGGATGTGACCAGCTCGTTGCCAGAGGAAAAAAACAAGAGCAGCTGCTCTTT
TGAGACCTGCCCGAGGCCTACTGAGAAGCAAGAGGCAGAGCTGGGGGAGCCGGACCCTGAGCAGAAGAGG
AGCCGCGCACGGGAGCGGAGGCGAGAGGGCCGCTCCAAGACCTTTGACTGGGCTGAGTTCCGTCTCATCC
AGCAGGCCCTGGCTCAGGAGCGGGTGGGCGGCGTGGGGCCTGCTGACACCCACGAGCCCCTGCGCCCTGA

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
©2024 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

View online »

GGCGGAGCCTGGGGAGCTGGAGCGGGAGCGTGCACGGAGGCGGGAGGAGCGCCGCAAGCGCTTCGGGATG
CTCGACGCCACAGACGGGCCAGGCACTGAGGATGCAGCCCTGCGCATGGAGGTGGACCGGAGCCCAGGGC
TGCCTATGAGCGACCTCAAAACGCATAACGTCCACGTGGAGATTGAGCAGCGGTGGCATCAGGTGGAGAC
CACACCTCTCCGGGAAGAGAAGCAGGTGCCCATCGCGCCCGTCCACCTGTCTTCTGAAGATGGGGGTGAC
CGGCTCTCCACACACGAGCTGACCTCTCTGCTCGAGAAGGAGCTGGAGCAGAGCCAGAAGGAGGCCTCAG
ACCTTCTGGAGCAGAACCGGCTCCTGCAGGACCAGCTGAGGGTGGCCCTGGGCCGGGAGCAGAGCGCCCG
TGAGGGCTACGTGCTGCAGGCCACGTGCGAGCGAGGGTTTGCAGCAATGGAAGAAACGCACCAGAAGAAG
ATTGAAGATCTCCAGAGGCAGCACCAGCGGGAGCTAGAGAAACTTCGAGAAGAGAAAGACCGCCTCCTAG
CCGAGGAGACAGCGGCCACCATCTCAGCCATCGAAGCCATGAAGAACGCCCACCGGGAGGAAATGGAGCG
GGAGCTGGAGAAGAGCCAGCGGTCCCAGATCAGCAGCGTCAACTCGGATGTTGAGGCCCTGCGGCGCCAG
TACCTGGAGGAGCTGCAGTCGGTGCAGCGGGAACTGGAGGTCCTCTCGGAGCAGTACTCGCAGAAGTGCC
TGGAGAATGCCCATCTGGCCCAGGCGCTGGAGGCCGAGCGGCAGGCCCTGCGGCAGTGCCAGCGTGAGAA
CCAGGAGCTCAATGCCCACAACCAGGAGCTGAACAACCGCCTGGCTGCAGAGATCACACGGTTGCGGACG
CTGCTGACTGGGGACGGCGGTGGGGAGGCCACTGGGTCACCCCTTGCACAGGGCAAGGATGCCTATGAAC
TAGAGGTCTTATTGCGGGTAAAGGAATCGGAAATACAGTACCTGAAACAGGAGATTAGCTCCCTCAAGGA
TGAGCTGCAGACGGCACTGCGGGACAAGAAGTACGCAAGTGACAAGTACAAAGACATCTACACAGAGCTC
AGCATCGCGAAGGCTAAGGCTGACTGTGACATCAGCAGGTTGAAGGAGCAGCTCAAGGCTGCAACGGAAG
CACTGGGGGAGAAGTCCCCTGACAGTGCCACGGTGTCCGGATATGATATAATGAAATCTAAAAGCAACCC
TGACTTCTTGAAGAAAGACAGATCCTGTGTCACCCGGCAACTCAGAAACATCAGGTCCAAGTCCGTAATT
GAGCAGGTCTCGTGGGATACCTGAAATGCACCCGCTTCCCGGCCCATGCAGGAGAGTCTGAAGGAAGGCC
TGACGGTGCAAGAACGGTTGAAGCTCTTTGAATCCAGGGACTTGAAGAAAGACTAGGTGTGTCCCATCCA
AGTTGAGCACGCGCCTTCCCCAGCTTGCAGCAGCACACCCCAAGCGCTGCTTTTCACCTGTACCTTTGTT
TTATTATTATTATTATTATTGCTGTTGTTGTCATCGTTAACTGTGGGCATGGAATGCGTGAGGCTGGCTT
CTGGGTTGTCCACACCACTCTCTGCTGTGTTGACTTCCTGTTGTCTTCATCAAAGCTTTTTTCCGTGGTA
TTCTAAAATTAGGCCAGCAGTGGGGGCTGGGAGGGCATCTGTGTTAGTCCTTTCCTGGCTGTGACCCGCC
ACACTCACTGTCAGTATTAAGGCCCAGCAGCCTGTTGATAAGCTACCCTGTCTCACCATGTGCTGGTGTG
GAAACGGGGCCCAGCCAGCACGCCTCAAGGTAGATGGAATCCCCACTGGTCAGAGAAAAAGCTATGCGGA
CACTCCAGCTTGGCCTGGGTCACAGCACTGACTCCTCACCCGCTAGTCTGGCTGTTAAGAGGAGAAAGTG
CACTGCCTTCCAGCCCAGGAGGAGGACAGCATTTTGTATTTGTTCCACTGATGCAGCTTAGAACCACACC
CCTGAGAGTCGTGGCAAACCTTTCACAACCTGGAAAATGTTGAAAGCAACCATTCCTATTTTTGTTTGTT
TTTTATTAAATCTTGCACAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAANN

5' Read Nucleotide Sequence:

```
>OriGene 5' read for AL834513 unedited
AGAGGCACTCATTTGTAAACCACTTCTATAGGCGGCCGCGNAATTCGCACGAGGCCGCCG
CGCCGACCTGTCGGCAGCCAAGGAGAACCCGTGCAGGAAATTCCAGGCCAACATCTTCAA
CAAGAGCAAGTGTCAGAACTGCTTCAAGCCCCGCGAGTCGCATCTGCTCAACGACGAGGA
CCTGACGCAGGCAAAACCCATTTATGGCGGTTGGCTGCTCCTGGCTCCAGATGGGACCGA
CTTTGACAACCCAGTGCACCGGTCTCGGAAATGGCAGCGACGGTTCTTCATCCTTTACGA
GCACGGCCTCTTGCGCTACGCCCTGGATGAGATGCCCACGACCCTTCCTCAGGGCACCAT
CAACATGAACCAGTGCACAGATGTGGTGGANTGGGGAGGGCCGCACGGGCCAGAAGTTCT
CCCTGTGTATTCTGACGCCTGAGAAGGAGCATTTCATCCGGGCGGAGACCAAGGAGATCG
TCAGTGGGTGGCTGGAGATGCTCATGGTCTATCCCCGGACCAACAAGCAGAATCAGAAGA
AGAAACGGAAAGTGGAGCCCCCCACACCACAGGAGCCTGGGCCTGCCAAGGTGGCTGTTA
CCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCATCCCCAGTGCTGAGAAAGTCCCCACCA
CCAAGTCCACACTCTGGCAGGAAGAAATGAGGACCAAGGACCAGCCAGATGGCAGCAGCC
TGAGTCCAGCTCAGAGTCCCAGCCAGAGCCAGCCTCCTGCTGCCAGCTCCCTGCGGGAAC
CTGGGCTAGAGAGCAAAGAAGAGAGAGCGCCATGAGTAGCGACCGCATGGACTGTGGGCC
GCAAGTCCGGGGTGGGAGAGCGCTACTTCTCTCTGGAGAAGACCAAACAGACTTGAAGC
```

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
©2024 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

3' Read Nucleotide Sequence:

```
>OriGene 3' read for AL834513 unedited
TTTATGTACCGTCGGCCGCAATCTANGATCGAGTTTTTTTTTTTTTTTTTTTTTTTTTTTT
TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT
TTTTTTTTTTTTTTGGGTTTTGGGCCCAATTTAAAAAAAAACCACCCAAAAAGGGGGGGG
GGGGTTTTAAAATTTTCCCAGGGGGGAAAAGGTTCCCCCCCCCCCCCGGGGGGGGGGTTT
AAACCCCCCCCGGGGAAAAAAAAAAAAAAGGGGCCCCCCCCCCGGGGGGGAAAGGGGGGC
CCTTTTTCCTTTTAAAACCCCAAAAAACGGGGGGGGAAACAAGTTTTTGCCCCCCCCCCA
ACGGGGGGGGCCCCCAAATTTTTTTTTTCCCCCCGGGGGGTTCCCCCCCCCCTTGGGGGG
GGGGGGGGGGCCCCCTTTTCCCCCCCCCCCCGGGGGGAAACGGGGGGTTTTTAAAACGGG
GGGGGGGCCCTAAAAACAACAAGGGGGGGGGGGGCCCCCCCCCCGAAAAGGAAAAAACA
AAAGCCCCCCCCCCCCCCCCGGGGGGGCCTATTTTTAAAACCCCCCGAAAAAAACTTTTT
TGAAAACCCCCGGGGGCCCCCCCCCCCAAAGGGGGGGGGGCAACCCCAAAACCCCCCCC
CCCCCTTTTTTGCCCCCGGTTAAAAAGGACCCCCCCCCCCCTTTTTTTTTTTTTTTTTAA
ACCCAGGTCCCCGGGAAAAACCCCCCCTGGGGGGGGCCCCCCCCCACCGGGGAAAGGCGC
CTCCCCACCTTTGGGGGGGACCCCCCCATTTTTTTTTAAAGCCCCGGGAAAAAAAAAGTT
TAACCCGTTTTGCCCCCGCGGGCCCTCCTTTAAAACTTTGGACCCAAGTTTTTAGATTCC
CCGGGGACAAAAATTCTTTTTTTTTTAAAAAAAACGGGGGCTTTTAT
```

Restriction Sites: NotI-NotI

ACCN: AL834513

Insert Size: 4500 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: AL834513.1, CAD39169.1

RefSeq Size: 3839 bp

RefSeq ORF: 3839 bp

Locus ID: 23164

Cytogenetics: 17p11.2

Domains: PH

Protein Families: Druggable Genome

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
©2024 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

Gene Summary: Targets myosin phosphatase to the actin cytoskeleton. Required for the regulation of the actin cytoskeleton by RhoA and ROCK1. Depletion leads to an increased number of stress fibers in smooth muscle cells through stabilization of actin fibers by phosphorylated myosin. Overexpression of MRIP as well as its F-actin-binding region leads to disassembly of stress fibers in neuronal cells.[UniProtKB/Swiss-Prot Function]

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
©2024 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US