



AATTCGCCCCATCCAACAGGCCCTGGCTCAAGAAAGGGCCAGCACTGTTGGGTCTTCTGATTCTGGTGA  
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 AAGCGCTTTGGGATGCTGGACACCAATGATGGACCAGGAATGGAGGATACAGCCCTACGTATGGACATTG  
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 GTGGCACCAGTGGAGACCACCCCTCTCAGGGAGGAGAAACAGGTGCCATTGCCCTCTGCACCTATCC  
 TTAGAGGACAGAAGTGGAGCCGCTCTCCACACATGAGCTCACCTCTCTGCTAGAGAAGGAGCTGGAGCAGA  
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 CAGAGAACAGAGTGCCTGGGAGGCTATGTGCTGCAGGCTACATGTGAGCGAGGCTTGGCCCATGGAG  
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 GATCAGCTCTCTCAAGGATGAACTCCAGACAGCCCTGCGGGATAAGAAGTATGCGAGCGACAAGTACAAA  
 GACATCTACACAGAGCTCAGCATCGCGAAGGCCAAGGCTGACTGTGACATCAGCAGGCTGAAGGAGCAGC  
 TGAAAGCAGCCACAGAGGCACTGGGCGAGAAATCTCCTGAAGGCACTACTGTGTCAGGATATGACATAAT  
 GAAATCTAAAAGCAATCCTGACTTCTGAAGAAAGACAGATCCTGTGTTACCCGGCAACTCAGAAACATC  
 AGGTCAAAGTCCGTAATTGAGCAGGTCTCATGGGATAAC

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR200231 representing NM\_001034022  
 Red=Cloning site Green=Tags(s)

MSAAKENPCRKFQANIFNKSCKQNCFKPRESHLLNDEDLTQAKPIYGGWLLLAPDGTDFDNPVHRSRKWQ  
 RRFIFILYEHGLLRYALDEMPPTLPOGTINMNQCTDVVDGEARTGQKFLCILTDPDKEHFIRAETKEIISG  
 WLEMLMVPRTNKQNKKKRKEVPPTPQEPGPAKMAVTSSSGSSGSSSSSSSSSSIPSAEKVPTTKSTLW  
 QEEMRAKDQPDGTSLSPVQSPSQSPPAACTPRETGLDSKEDENILSGDRVDGGRKVRVSEGYFSLEKAK  
 QDLRAEEQLPPLLSPSPSTPHSRRSQVIEKFEALDIEKAEHMETNMLILTTSSDTRQGRSERRAIPRK  
 RPDLLNFKKGWLTQYEDGQWKHWFVLADQSLRYRDSVAEEAADLDGEINLSTCYDVTVEYPVQRNYGF  
 QIHTKEGEFTLSAMTSGIRRNWIQTIMKHVLPSTAPDVTSSLPEGKKNSTSFDTCLRPSEKQEAEPGEPD  
 PEQKKSRRARRRRREGSKTFDWAEFRPIQQALAQERASTVGSSDSGDPCLEAEPGELERARRREERR  
 KRFGMLDNDGPGMEDTALRMDIDRSPGLLGTPDLKTQNVHVEIEQRWHQVETTPLEEKQVPIAPLHLS  
 LEDRSERLSTHELTSLEKELEQSQKEASDLLEQNRLLDQDLRVALGREQSAREGYVLQATCERGF AAME  
 ETHQKKIEDLQRQHQRELEKLRKDRLLAEETAATISATEAMKNAHREEMERELEKSQRSQISSINSDI  
 EALRRQYLEELQSVQRELEVLSAQYQKLENAHLAQALEAERQALRQCQRENQELNAHNQELNNRLAAE  
 ITRLRLLTGEGGEGSTGLPLTQGKDAYELEVLLRVKSEIQYLKQEISSLKDELQALRDKKYASDKYK  
 DIYTELSIAKAKADCDISRLKEQLKAATEALGEKSPEGTTVSGYDIMKSKSNPDFLKKDRSCVTRQLRNI  
 RSKSVIEQVSWDN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-Mlul

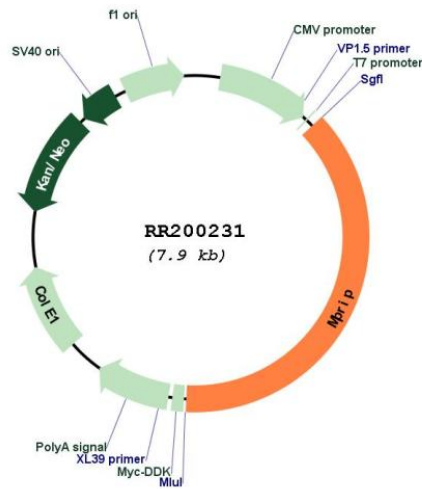
Cloning Scheme:

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM\_001034022  
 ORF Size: 2979 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001034022.1</a> , <a href="#">NP_001029194.1</a>
<b>RefSeq Size:</b>	3809 bp
<b>RefSeq ORF:</b>	2982 bp
<b>Locus ID:</b>	116504
<b>UniProt ID:</b>	<a href="#">Q9ERE6</a>
<b>Cytogenetics:</b>	10q22
<b>MW:</b>	113.1 kDa
<b>Gene Summary:</b>	mouse homolog binds F-actin and may play a role in F-actin bundling and cytoskeleton organization [RGD, Feb 2006]