

## Product datasheet for **RN213441**

### Mark3 (NM\_130749) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Mark3 (NM_130749) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Mark3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN213441 representing NM\_130749  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGTCCACTAGGACCCCTTTGCCAACGGTGAATGAACGAGACACTGAAAACCACATTTACATGGAGATG  
 GGAGGCAAGAAGTCACCTCCCGCACCGGGCGCTCTGGAGCTCGGTGTAGAACTCAATAGCTTCTGTGC  
 AGATGAACAGCCTCATATTGAAACTACAGACTATTGAAAAAATCGGCAAGGGAACTTTGCAAAAAGTG  
 AAATTGGCGAGACACATCCTCACAGGCAGAGAGTTGCAATAAAGATAATTGACAAAACAGTTGAATC  
 CAACAAGTCTACAGAAGCTTTCAGAGAAGTAAGAATAATGAAGATTTTAAATCACCCAAACATAGTGAA  
 ATTGTTGAGGTCATTGAAACGGAAAAACACTCTACTTAATCATGGAATATGCAAGTGGAGGTGAAGTA  
 TTTGACTATTTGGTTGCACATGGAAGAATGAAGGAAAAAGAAGCAAGAGCTAAGTTTAGACAGATTGTG  
 CCGCAGTACAGTATTGCCACAAAAACGGATCGTTCACAGAGACCTCAAGGCTGAAAATCTGTTATTAGA  
 TGCGGATATGAACATTAATAACAGATTTTGGTTTTAGCAATGAATTTACTGTTGGCAGTAAACTAGAC  
 ACGTTTTGTGGTAGTCCACCATATGCAGCCCTGAGCTCTCCAGGGCAAGAAGTATGACGGGCCGGAAG  
 TGGACGTGTGGAGTCTCGGCGTCATTCTGTACACCCTAGTCAGTGGGTCACTTCCCTTTGATGGTCAGAA  
 CCTGAAGGAAGTGAAGAGAGAGTACTCCGAGGGAAGTACAGAATCCCTTTCTACATGTCCACAGACTGT  
 GAGAACCTTCTCAAGCGCTTCTGGTGTGAACCCAGTTAAACGCGGCACCTCTGGAGCAATCATGAAGG  
 ACAGGTGGATCAATGCAGGTGATGAGGAAGAGGAGCTTAAGCCATTTGTCGAACCAGAAGTACAGATCTC  
 AGACCAGAAGAGAATAGATATTAGTGGGAATGGGATATTCCCAAGAAGAAATACAAGAATCTCTTAGT  
 AAAATGAAATACGATGAAATCACAGCGACGTACTTGTACTGGGGAGGAAGTCTGCAGAGCTGGACGCTA  
 GTGACTCCAGTTCTAGCAGCAACCTTTCACTTGAAGTGGCGCAAGCAGTACCTCAGCAATAGCAC  
 TGGCCAGTCTCCTCATCACAAAGGGCAGAGGAGTGTGTCTTCAAGTCAGAAGCAGAGACGGTACAGTGAC  
 CACGCTGGACCAGCTATTCTTCAAGTGTGGCATATCCGAAGAGGAGTACAGACCAGCACTGCAGATAGTG  
 ACCTCAAAGAAGATGGAGTTCCCTCCCGAAAAATCAGGCAGCAGTGTGTAGGAGGAAAGGGGATTGCCCC  
 TGCCAGTCCCATGCTTGGGAATGCAAGCAATCCCAATAAAGCTGATATCCCGAGCGCAAGAAAAGCCCT  
 GCTGTCCCAGTAGTAATGCAGCATCTGGTGGGATGACTCGGAGGAACACTTACGTGTGCAGTGAGAGAT  
 GTGCAGCGGACAGACATTCAGTGATTGAGAACGGCAAAGAAAGCAGCCTGACAGAAGTGTTCGCTTACGC  
 AGTAGCCCTGCCTCACTCTGTGCCACATCTACCTGTCCGCTGAGACATCAGAGGTGATGTCCGTGTCA  
 GCCTCTGGGCACCCCAAGATGGTGTACCTCCAATAGACAGTGAAGGAGATACCTTCAAGGCTATCACCA  
 CTCAGATCAGAGGACTCCAGTTGCTTCTACACACAGTATTAGCAGTGGCACAACCCAGATCGCATCCG  
 TTCCCAAGGGGCACAGCCAGCCGTAGCACTTTCCACGGGCAGCCTCGAGAGCGGCGAACCAGCAACATAT  
 AATGGCCCCCAGCCTCACCCAGCTTGTCCCATGAAGCCACACCCTGTCCCAGACGCGAAGCAGAGGCT  
 CCACTAATCTTTTAGCAAACCTACTTCTAAACTCACCAGAAGACTTCCAAGTGAATATGAGAGGAACGG  
 GAGATATGAGGGCTCAAGTCGCAATGTATCTTCGGAACAAAAGGATGAGAACAGAGAGGCCAAACCTCGG  
 TCCCTGCGCTTACCTGGAGCATGAAAACCACTAGTTCATGGATCCCAGTGACATGATGCGGGAGATCC  
 GCAAAGTGTGGACGCCAATACCTGCGACTATGAGCAGAGGGAGCGCTTCTGCTTCTGTGTCCATGG  
 CGACGGGCACGCTGAGAGCCTGGTGCAGTGGGAGATGGAAGTCTGTAAGCTGCCAAGACTGTCTGTAAT  
 GGGGTCCGGTTAAGCGGATATCAGGGACATCCATCGCTTTCAAAAACATTGCTTCAAAAATTGCCAACG  
 AGCTAAAGCTG**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_130749  
**Insert Size:** 2394 bp

<b>OTI Disclaimer:</b>	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).
<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_130749.1</a> , <a href="#">NP_570105.1</a>
<b>RefSeq Size:</b>	2700 bp
<b>RefSeq ORF:</b>	2394 bp
<b>Locus ID:</b>	170577
<b>UniProt ID:</b>	<a href="#">Q8VHF0</a>
<b>Cytogenetics:</b>	6q32
<b>Gene Summary:</b>	protein kinase that may regulate microtubule dynamics [RGD, Feb 2006]