

Product datasheet for **RN208831**

Mark2 (NM_021699) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mark2 (NM_021699) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Mark2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

Fully Sequenced ORF: >RN208831 representing NM_021699
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCCAGCGCTCGGACCCCTACCCAGCTGAACGAAAGGACACGGAGCAGCCACCTTGGGACACC
 TTGATTCCAAGCCAGCAGTAAGTCCAACATGCTGCGGGCCGCAACTCAGCCACCTCTGCTGACGAGCA
 GCCCATATTGGCAACTACAGACTCCTTAAGACCATTGGCAAGGTAACCTTGGCAAAGTGAAGTTGGCC
 CGGCACATCTGACGGGAAAGAGGTAGCTGTGAAGATCATTGACAAGACTCAGCTGAATTCCTCCAGCC
 TGCAGAACTCTCCGAGAAGTAAGAATAATGAAGTTTTGAATCATCCCAACATAGTTAAGTTATTTGA
 AGTGATCGAGACTGAGAAGACGCTCTACCTTGTTCATGGAGTATGCCAGTGGCGGAGAGGTATTTGATTAC
 CTAGTGGCCCATGGCAGGATGAAAGAAAAGAAGCTCGAGCCAAATTCGCCAGATAGTGTCTGCTGTGC
 AGTACTGTACCAGAAGTTTATTGTTTCATAGAGATCTAAAGGCAGAAAACCTGCTCCTGGATGCTGATAT
 GAACATCAAGATTGCAGACTTTGGCTTTAGTAACGAATTCACCTTTGGGAACAAGCTGGATACTTTCTGT
 GGTAGTCTCCTTATGCTGCCCAAGAACTCTCCAGGGCAAAAAGTATGACGGTCCCTGAAGTGGATGCT
 GGAGCCTGGGCGTCATCCTCTATACACTGGTCAGCGGGTCCCTGCCTTTTGATGGACAGAACCTCAAGGA
 GCTACGGGAAAGGGTACTGAGGGGAAATACCGTATTCCATTCTACATGTCCACGGACTGTGAAAATCTG
 CTTAAGAAATTTCTCATACTTAATCCTAGTAAGAGAGGCCACTTTGGAGCAAATTAAGAAAGTCCGGTGA
 TGAATGTGGGCCATGAGGATGACGAGCTAAAGCCTTACGTGGAGCCACTCCCTGACTACAAGGATCCCCG
 GCGGACAGAGTTGATGGTGTCAATGGGTACACACGGGAAGAGATCCAGGACTCGCTGGTAGGCCAGAGG
 TACAACGAAGTGATGGCTACCTATCTGCTCCTTGGCTACAAGAGCTCTGAGCTGGAAGGTGACACCATCA
 CTTTAAAGCCCCGGCCTTCAGCTGATCTAACCAACAGCAGTGCCTCATCTCCACAAAGTTTCAGCG
 CAGCGTCTCTGCCAACCACAAGCAGCGGCTCCAGTGACCAGGCCGTCCTCCGCAATTCACCTCGAAT
 TCTACTCTAAGAAGACTCAGAGTAACAACGCAGAAAATAAGCGCCTGAGGAAGAGACAGGCGGAAAG
 CCAGCAGCACCGCAAAGTGCCTGCCAGCCCTCTGCCTGGCTGGACAGGAAGAAGACCACTCCTACCCC
 CTCACAAACAGCGTCTCTCCACCAGCACAAACAGAAGCAGGAACCTCCCACTTTTGGACAGGGCCAGC
 CTTGGCCAGGCCCTCCATCCAGAATGGTAAAGACAGCACAGCCCCCAGCGTGTCCCTGTCGCTCCCCCT
 CCGCCACAACATCAGCAGCAGTAGTGGAGCCCCAGCCGAACCTAATTTCCACGGGGTGTGTCCAGTCC
 AAGCACCTTCCATGCTGGCAGCTCCGACAGGTGCGGGACCAGCAGAATCTGCCCTTCGGTGTACCCCA
 GCCTCACCTCTGGCCATAGCCAGGGCCGGCGGGGGCCTCTGGCAGCATCTTCAGCAAGTTCACCTCCA
 AGTTTGTCCGAGGAACCTGAATGAACCTGAAAGCAAAGACCGAGTGGAGACGCTCAGACCTCACGTGGT
 AGGCGGTGGAGGCACTGACAAGGAAAAGGAAGATTTCCGGAGGCCAAGCCTCGTTCCCTGCGCTTCACT
 TGGAGCATGAAGACCACGAGCTCTATGGAGCCCAATGAGATGATGCGGGAGATCCGCAAGGTGCTGGACG
 CCAACAGCTGCCAAAGCGAGCTGCACGAGCGATACATGCTGCTGTGCGTGCATGGCACACCCGGCCACGA
 GAACCTTTGTGAGTGGGAGATGGAGGTGTGAAACTGCCCGGCTGTCTCAACGGTGTTCGGTTTAAAG
 CGGATATCGGGCACTTCCATGGCCTTCAAAAACATTGCCTCCAAAATAGCCAATGAGCTGAAGCTT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_021699

Insert Size: 2169 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:	<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_021699.1</u> , <u>NP_067731.1</u>
RefSeq Size:	2572 bp
RefSeq ORF:	2169 bp
Locus ID:	60328
UniProt ID:	<u>O08679</u>
Cytogenetics:	1q43
Gene Summary:	kinase; phosphorylates the microtubule-associated proteins [RGD, Feb 2006]