

## Product datasheet for **MC224831**

### Nrap (NM\_198059) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Nrap (NM_198059) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Nrap
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC224831 representing NM_198059 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAATGTCAGGCTGCTCTAGGTGTGGCTATGGGGTTACCCTGCTGAGAAGATCAGCTGCATAGATC  
AGACATGGCACAAGCATGTTTTCACTGTGAAGTCTGTAAGATGATGCTTTCTGTTAATAACTTCGTGAG  
TCACCAGAAAAAGCCGTACTGTACGCCACAACCCTAAGAACAACACGTTCACTAGCGTCTACCACACA  
CCCTTAAATCTAACCTTGAAGAAGTCTGTGGCAGCCATGGGAGGATTGACGGCAAAGAAGATGGCGAGC  
CATTAAATCCGTTCTCCATTGGGACATGAAGTCCAAAGCTGGAGCAGGGCAGCTAGCCGGCTGATGAA  
TGAGAGAGACTACTGGCCAGGGTATGCAGAAGGGAACTTGGTGTCCAGGAGCTCTGCCGACCCTGAG  
ATTGTAAGGATGGTTGAAGCTCGACAGTCTCTCGGTGAGGGGTACACAGAAGACCGTGAACAGCAGCAGG  
GCAAGGGGAGCTTCCAGCCATGATCACCCCTGCCTACCAAAGGGCCAAGGCAGCCAACCAGCTGGCCAG  
CCAGGTACAATAACAAGAGAGGCCACGATGAGCGGGTCTCCACATTCCTCCAGTGGCGGACACGCCCGAG  
CTGCTCCGTGCCAAAGCTGGGGGACAGCTTCAAATGACGTGAGGTACACAGAAGACGGTGGGCAGCAGA  
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GAGTGATGTGAGGTACCATCAACAATATCATAGAGAAATGAAGGGAATGGCTAGTCTGTGCGAGCCGAG  
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GACAACCTGGTTCTTAAGCGAGCTCAGAGTGTGAGCAAGCTTGTGAGTGAGAATAAATAAAGAAAACCT  
ATCAGACCCAGCTGAGAGGCCACTATGACGGAGTCGGCATGGACAGACGCATGCTCCACGCTCTCAAAGT  
TGGCAGCTGGCTAGCAATGTTGCCTACAAGGCTGATTATAAACATGACGTTGTGGATTACAACCTACCTG  
GCCACTGCCACTCCATTCTACAAACAACGATGAGGCTGGTCCCCTGAAGGATGTCAACTACAGGCAGA  
ACATTGACAGAATGAAGTTCAGCTCGGTGACAAACACGCCACAGATTGTTCAAGCTAAGATCAACGCCCA  
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GCCCTCAGCTGCTGAAGGCCAAGGCCAATGCAGAACTGTTACGCGAGGTGAAGTACAAAGAAGGCTGGC  
AGAAGACAAAGGGGAAAGGCTTTGAGATGAAGCTGGACGCCATGTCTCTGTTGGCCGCCAAAGCCTCGGG  
GGAGCTTGCTAGCAGCGTTAAATACAAAGAAGAATATGAGAAAATGAAGGGCAGAGCCCTGGGAGCCACA



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GACTCTAAGCTTCTGCATTCTCTGCAGGTGGCCAAGATGAGCAGCGAGGTTGAATATAAGAAAGGGTTTG  
 AGGAGAGTAAAACCCACTTTAACCTGCCATGGACATGGTGAACCTCAGGCACGCTAAGAAGGCCAAGC  
 TCTTGCCAGTGACCTTGACTACAGAAAGAACTGCATGACTACACGGTGCCTGAAGATATGAAAAC  
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 GCCAAGAAGAGCCAGGGGCTGCAGAACCGGGTGGCCTACAAGGCAGGAACGAGCAATCCGTCCATCAGT  
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 GGAGCAAGGGGAGAAATGTGAAGCACACTACACACAGACTGCAGACTTGCTGAAGTCTGCTGGCCAAA  
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 GCTCATTCACTGCACGCGACCTCGCTGCAGAGTGTGTAATTAAGAAAGGCTTTGAACACGCAAGG  
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 CCAGGACTACAGACATCCGCTCCCCAGCACACAGTCTTGGCAGAAGATCTGAGGCTGAGCTGTGCCAAG  
 AAAGCTACAAGTTACAGAGTGAGAATCTGTACCCTCGACTTGAACCTCATGCGTGGTGTCCCTGTG  
 TCGTTCCTGGAACACTGGAGATTGAAGGAAGAAAGAAAGCCTCTGAGCTCATCAGCGAGAGTAAATACCG  
 CCAGCATCTGGGTCAATCAAGTACACGGCCGTGACAGATACTCCCAACCTCCTGCATGCCAAGTACAGC  
 AACAGATACCAATGAGCGTCTCTATAAAGCGGCTGGCAGGACGCACGGCACCAATACACGATGACCC  
 TTGGTCTGCTGAGTTCATCCGAGCCAAAACACGACGCAACCTGAGCGAGGCAAAATACAAGGAGGC  
 TTGGCATAATCTCGTGCTCAAGGCTACAAGCTGACGATAGACGCCCTCCCTTCCAGGCTGCTCGGGCC  
 TCTGGAGACATAGCCAGTGACTTCTCTACAGGCACGAGTTTGTGAAGGAGCGTGGACAGCTCATTGGGG  
 TCGGGAATGTGAGTGACGACCCCGGCTACTGCACTGCCTACGGATGGGCCAGCTGCAGAGTGAGAAATCA  
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 CTGAGGATCTGAAGATGGCCTGGGCCAAGAAAGCGCACGCCCTGCAGAGTGAGTTTCGCTACAAGGGCGA  
 CTTGATGGGCATGAAAGGGACAGGATGGCTGGCTCTGCAGTCTCCTCAGATAGAGAGTGCAAAGAAGGCT  
 GGAGACCTAATCAGTGAGACCAAGTACCGTAAAAAACCAGACAGCATCAAGTTCACTACCGTGGTTGACT  
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 AGCCTCCCTGCATAGATACACCCCAATCCAGACCACCCGGATTTCACCCGAGCCCGCATGAACGCAATG  
 CATTGAGTGACAAAGTCTACAGGAATGCCTGGGAGCAGAGCCGGGCTGGTGGTATGACTTCAGGCTGG  
 ATGCTATCCCATTCCAGACTGCACGGGTGTCCAGGGATATCGCCAGTGATTTCCGGTACAAGAGGCATT  
 TCTGAGGGACCGGGCCTACAGATTGGGTACCGTAGCATCAGTGACGACCCGAGGACGACGCACTTCTC  
 CGAGTCGGCAGGCTCCAGAGTGACAACGAGTACAGGAAGGCCTTTGCCAAGGTCGCTCCAGTTCCACA  
 GTCGCGCTGACCAACCAGGCTTCTCCAGGCCAAGAGGAGCCAGCAGCTGGCCAGCGATGCTCTATAG  
 GCAGCCACTGCCTCAGCACACCAGCACCAGAACAGCTGGGCCGAAGCATGCCCGAAAGCCCATCAG  
 CTGCAGAGTGATGCAAGTACAAATCTGACTTGAACCTGACTCGAGGTGTTGGCTGGACCCCTCTGGCT  
 CCTACAAAGTGGAAATGGCTCGACGGGCTGCAGAACTGGCCAACAGGAGGGGCCCGGGATCCGGGGGGC  
 TTCTGTGAGCCAGAGGCAGCAGCGGCTAGGAGATCATCAGAGCAGGGGGGTGAACCCGGATGCCTCG  
 GAGATCCTGCATATCCACAAGAAGAAGACTCTGCTGATGTA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_198059
<b>Insert Size:</b>	5082 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>	<u><a href="#">NM_198059.3</a></u> , <u><a href="#">NP_932307.2</a></u>
<b>RefSeq Size:</b>	5397 bp
<b>RefSeq ORF:</b>	5082 bp
<b>Locus ID:</b>	18175
<b>UniProt ID:</b>	<u><a href="#">Q80XB4</a></u>
<b>Cytogenetics:</b>	19 51.8 cM
<b>Gene Summary:</b>	<p>May be involved in anchoring the terminal actin filaments in the myofibril to the membrane and in transmitting tension from the myofibrils to the extracellular matrix.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) lacks an in-frame exon in the central coding region, compared to variant 2. The encoded isoform (C) is shorter, compared to isoform S.</p>