

Product datasheet for MC229639

Nrap (NM_001286552) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nrap (NM_001286552) 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:	>MC229639 representing NM_001286552 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGGAGGGATTGACGGCAAAGAAGATGGCGAGCCATTTAAATCCGTTCTCCATTGGGACATGAAGTCCA
AAGCTGGAGCAGGGGCAGCTAGCCGGCTGATGAATGAGAGAGACTACTGGCCAGGGTATGCAGAAGGGAA
CACTTGGTGTCCAGGAGCTCTGCCGGACCCTGAGATTGTAAGGATGGTTGAAGCTCGACAGTCTCTCGGT
GAGCAGGGGTACACAGAAGACCGTGAACAGCAGCAGGGCAAGGGGAGCTTCCAGCCATGATCACCCCTG
CCTACCAAAGGGCCAAGGCAGCCAACCAGCTGGCCAGCCAGGTACAATAACAAGAGAGGCCACGATGAGCG
GGTCTCCACATTCAGTCCAGTGGCGGACACGCCGAGCTGCTCCGTGCCAAAGCTGGGGACAGCTTCAA
AATGACGTGAGGTACACAGAAGACGGTGGCGAGCAGAGAGGGAAAGGCAGTTTTCTGCTATGATCACAC
CAGCTTATCAGATAGCCAAAAGGCCACTGAGCTGGCGAGTGATGTGAGGTACCATCAACAATATCATAG
AGAAATGAAGGGAATGGTAGTCTGTCCGAGCCGAGGGTGGGATGACAAAGGACTCTGTAGACCGATGT
GGCCAGGTTTACTCAGAAGAGTGTGATGAACCCAGAGGAAAGGGCAGCTTCCCGCCATGATCACCCAG
CGTATCAGAACGCCAAGAAGGCCAATGAACTTGTAGTGACATAAAATACCGGCAGGACTTCCATAAGAT
GAAAGGTGCAGCGCATTTTCACTCCCTTGACGCCAGGACAACCTGGTTCTTAAGCGAGCTCAGAGTGTG
AGCAAGCTTGTGAGTGAGAATAAATAAAGAAAATATCAGACCCAGCTGAGAGGCCACTATGACGGAG
TCGGCATGGACAGACGCATGCTCCACGCTCTCAAAGTTGGCAGCCTGGCTAGCAATGTTGCCTACAAGGC
TGATTATAAACATGACGTTGTGGATTACAACTACCTGGCCACTGCCACTCCATTCTACCAAAACAACGATG
AGGCTGGTCCCCTGAAGGATGTCAACTACAGGCAGAACATTGACAGAATGAAGTTCAGCTCGGTGACAA
ACACGCCACAGATTGTTCAAGCTAAGATCAACGCCAGCAGCTGAGCCATGTGAATTACCGAGCTGACTA
CGAGAGAAACAAGCTGAACTACACATTGCCCCAGGACGCCCTCAGCTGCTGAAGGCCAAGGCCAATGCA
GAACTGTTCCAGCGAGGTGAAGTACAAGAAGGCTGGCAGAAGCAAAGGGGAAAGGCTTTGAGATGAAGC
TGGACGCCATGTCTCTGTTGGCCGCCAAAGCCTCGGGGGAGCTTGCTAGCAGCGTTAAATACAAAGAAGA
ATATGAGAAAATGAAGGGCAGAGCCCTGGGAGCCACAGACTCTAAGCTTCTGCATTCTCTGCAGGTGGCC
AAGATGAGCAGCGAGGTTGAATATAAAGAAAGGTTTGGAGAGAGTAAAACCCACTTTAACCTGCCCATGG
ACATGGTGAACCTCAGGCACGCTAAGAAGGCCAAGCTCTTGCCAGTGACCTTGACTACAGAAAGAACT
GCATGACTACACGGTGTGCTGAAGATATGAAAACCTCAGTGGGCCAAGAAAGCCTACGGGCTGCAGAGC



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GAGCTGCAGTACAAAGCTGACCTGGCATGGATGAGGGGAGTCGGGTGGCTGACAGAGGGGAGTCTCAACC
 TGGAACAGGCGAAGAAGGCTGGACAGCTCATCAGCGAGAAAACTACCGGCAGAGGGTGGATGAGCTGAA
 GTTCACCAGTGTGGCTGACAGCTCCCAGATGGAGCATGCCAAGAAGGCCAGGGGCTGCAGAACCGGGT
 GCCTACAAGGCAGGAAACGAGCAATCCGTCCATCAGTACACCATCAGCAAAGACGAGCCTCTCTTTAC
 GAGCCCGGGCCAAATGCTGCTCAACTCAGCGAGACCCTGTACAAGAGCAGCTGGGAAAAGCAGAAGGCCAA
 AGGGTTTGAGCTGAGACTTGACTCCTTGGCATTCTGACAGCCAAAGCCAAGAGAGACCTGGCTAGTGAG
 GTGAAATACAAAGAGGACTATGAAAGGTCAGAGGGAAACTCATTGGGGCGAAGAGTGCACAGGGGGATT
 CGCAGATGAGCCACTCCCTGCAGATGTCGAAGCTACAGAGTGACCTGGAGTACAAGAAGGGCTTTGAAGA
 CACCAGATCTCAGTGCCACATCTCCCTTACATGGTTACCTCGTCCATGCTCGCCAGGCACAGCACCTA
 GCCACAGACGTAGGCTACAGGACAGCGTCTCACTGCTTACAGGCTCTGCCACAGACATGAAGTGGAGT
 GGGCCAAGAAGGCTTACGGCTGCAGAGTGATAACCAATACAGGGCAGACATGAAGTGGATGAAAGGCAC
 AGGCTGGTGGCCACCGGTTCATTACATGTGGAGCAGGCGAAGAAGGCAGGAGAAGTTCATTAGTGAGAAG
 AAGTACCGTCAGCACCCAGATGCTTTGAAGTTTACCAGTATTAAAGACTCCGGAGATGGTCCAGGCCA
 GGATTAGTTATACCAAGCAGTGGATGACTGTACAGGGAGCAAGGGGAGAATGTGAAGCACCCTACAC
 ACAGACTGCAGACTTGCCTGAAGTCTGCTGGCCAAACTGAACGCCATGAACATCAGCGAGACTCGTAT
 AAGGAATCTTGGAGCCGGCTTCGAGATGGAGGATACAAGCTGAGGCTGGATGCCCTTCCATTCCAGGCAG
 CAAAGGCGTCCAGCGAAGTTATAAGTGACTACAAATACAAAGAAGCATTGAGAGAATGAAAGGCCAGAT
 GCTCGGCTCCCGGAGCTTGAAGATGACCTCAGCCTTGCTCATTAGTGCACGCGACCTCGCTGCAGAGT
 GATGTGAATTATAAGAAAGGCTTGAACACGCAAAAGGCTCACTTCCATCTGCCGCTGGATATGGTACCT
 TGGTGCATGCCAAGAAGGCTCAAACCTGGCCAGCAGCAGGACTACAGACATCCGCTCCCCAGCACAC
 AGTCTTGGCAGAAGATCTGAGGCTGAGCTGTGCCAAGAAAGCTACAAGTTACAGAGTGAGAATCTGTAC
 CGCTCGGACTTGAACCTCATGCGTGGTGTCCCTGTGTCGTTCTGGAACACTGGAGATTGAAGGAAGAA
 AGAAAGCCTCTGAGCTCATCAGCGAGAGTAAATACCGCCAGCATCCTGGGTCATTCAAGTACACGGCCGT
 GACAGATACTCCCAACCTCCTGCATGCCAAGTACAGCAACCAGATCACCATGAGCGTCTCTATAAAGCG
 GCTGGCGAGGACGCACGGCACCAATACACGATGACCCCTGGTCTGCCTGAGTTTATCCGAGCCAAAACCA
 ACGCAGCCAACTGAGCGAGGCAAAAATACAAGGAGGCTTGGCATAATCTTCGTGCTCAAGGCTACAAGCT
 GACGATAGACGCCCTCCCTTCCAGGCTGCTCGGGCTCTGGAGACATAGCCAGTGACTTCTCTACAGG
 CACGAGTTTGTGAAGGAGCGTGGACAGCTATTGGGGTGCAGGATGTGAGTGACGACCCGCGGCTACTGC
 ACTGCCTACGGATGGCCAGCTGCAGAGTGAGAATCAGTACAGGAAGGAGGCGGCCAGCAGCCAAGTCA
 GTGCCACCTGCCATGGATATGATGTACCTGGTCCATGCCAGGAAGGCCAGGCCCTGGCCAGTGACCAC
 GACTACCGGACACAGTGCCACGAGTTCACCGCCCTGCCTGAGGATCTGAAGATGGCTGGGCCAAGAAAG
 CGCAGCCCTGCAGAGTGAGTTTCGCTACAAGGCGGACTTGATGGGCATGAAAGGACAGGATGGCTGGC
 TCTGCAGTCTCCTCAGATAGAGAGTGCAAAGAAGGCTGGAGACCTAATCAGTGAGACCAAGTACCCTAAA
 AAACCAGACAGCATCAAGTTCACTACCGTGGTTGACTCTCCAGACCTCATTATGCCAAGGAGAGGTACA
 TGCACTGTAACGAGCGCTTGTACAGGTTGGGAGATGCAGCCTCCCTGCATAGATACACCCCAATCCCAGA
 CCACCCGATTTACCCGAGCCCGCATGAACGCAATGCATTTGAGTGACAAAGTCTACAGGAATGCCTGG
 GAGCAGAGCCGGGCTGGTGGCTATGACTTACAGGCTGGATGCTATCCCATCCAGACTGCACGGGTGCCA
 GGGATATCGCCAGTGATTTCCGGTACAAGAGGCAATTTCTGAGGGACCGGGCCCTACAGATTGGGTACCG
 TAGCATCAGTGACGACCCGAGGACGACGCACCTTCTCCGAGTCGGCAGGCTCCAGAGTGACAACGAGTAC
 AGGAAGGCCTTTGCCAAAGGTCGCTCCAGTTCCACAGTCGCGCTGACCAACCAGGCTTCTCCAGGCCA
 AGAGGAGCCAGCAGCTGGCCAGCGATGTCTCTATAGGCAGCCTGCTCAGCACACCAGCAGCCAGA
 ACAGCTGGGCCTGAAGCATGCCCGGAAAGCCCATCAGCTGCAGAGTGATGTCAAGTACAAATCTGACTTG
 AACCTGACTCGAGGTGTTGGCTGGACCCCTCCTGGCTCTACAAAGTGGAAATGGCTCGACGGGCTGCAG
 AACTGGCCAACAGGAGGGGCCCGGGATCCGGGGGCTTCTGTGGAGCCAGAGGCAGCAGCGGGCTAGG
 AGATCATCAGAGCAGGGGGTGAACCCGGATGCCTCGGAGATCTGCATATCCACAAGAAGAAGACTCTG
 CTGATGTA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

ACCN:

NM_001286552

Insert Size:	4839 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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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_001286552.1</u> , <u>NP_001273481.1</u>
RefSeq Size:	5305 bp
RefSeq ORF:	4839 bp
Locus ID:	18175
UniProt ID:	<u>Q80XB4</u>
Cytogenetics:	19 51.8 cM
Gene Summary:	<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 (3) differs in its 5' UTR, lacks an in-frame exon in the central coding region, and initiates translation at a downstream start codon, compared to variant 2. The encoded isoform (3) is shorter, compared to isoform S.</p>