

Product datasheet for **RN209143**

Mre11a (NM_022279) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mre11a (NM_022279) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Mre11a
Synonyms:	Mre11
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN209143 representing NM_022279
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGCCCCACAGATCCGCTTGATGATGAAGACACATTTAAAATCCTGGTTGCCACTGATATTCATCTTG
 GATTTATGAAAAAGATGCAGTTAGAGGAAATGACACATTTGTGACATTTGATGAAATTTAAGACTTGC
 CCTGAAAAATGAAGTGGATTTTATTTTGTAGGTGGTATCTTTTCCATGAAAAACAAGCCCTCAAGGAAA
 ACCCTGCACAGCTGCTTAGAGCTGCTTAGGAAGTACTGTATGGGTGACCGCCCTGTGCAATTTGAGATCA
 TCAGTGACCAGTCAGTCAACTTTGGTTTTAGTAAGTTCCATGGGTGAACTACCGGGATGGCAATCTCAA
 CATCTCCATTCCAGTGTTTAGTATCCACGGCAACCATGATGATCCACAGGGGCAGATGCCCTCTGTGCC
 CTGGATGTTTTAAGCTGTGCTGGGTTTGTGAATCACTTTGGACGGTCAATGTCTGTGGAGAAGGTTGACA
 TTAGTCCAGTTCTGCTGCAGAAAGGAAGCACAAAACCTCGCTCTGTACGGCTTAGGTCATTCCAGATGA
 AAGGCTCTATCGGATGTTTGTCAATAAGAAAGTAACGATGTTGAGGCCTAAGGAAGACGAGAAGCTATGG
 TTTAACTTATTCGTGATTCATCAGAACAGGAGTAAACACGGGAAGCACAACTTATCCCAGAGCAGTTTT
 TGGATGACTTCATTGACCTGGTCATCTGGGGCCATGAACATGAGTGTAATAATCGGCCCAACCAGGAATGA
 GCAGCAGCTCTTCTATGTGTCTCAGCCCGGAAGCTCGGTGGTGACAGCCCTTCCCTGGAGAACTGTG
 AAGAAACATGTAGGCCTGCTACGCGTTAAAGGGAGAAAGATGAACATGCAGAAGCTGCCTCTCCGCACAG
 TGCGACAGTTCTTATGGAAGATGTGGTCTGGCTAACACCCAAAGCCTGTTCAACCCTGACAATCTTAA
 GGTGACCCAGGCCATCCAGAGCTTCTGTTTGGAGAAGATTGAAGAAATGCTTGACAGTGTGAGCGGGAA
 CGGCTGGGGAATCCTCAGCAGCCGGAAGCCTCTCATCCGACTACGGGTGACTACAGTGGAGGCTTTG
 AACCTTCAACGTTCTTCGTTTTAGCCAGAAGTTTGTGGATCGGTTGCTAACCCAAAAGATGTCATCCA
 CTTTTTCAGACACAGGGAACAAAAAGGAAAAACAGGAGAAGAGATCAACTTTGGGAAGCTCATATAAAA
 CCTGCTTCAGAAGGGACGACGCTCAGAGTAGAAGACCTTGTAAAGCAGTATTTCCAAACTGCAGAGAAGA
 ATGTTACAGCTCTCACTGCTGACAGAAAGAGGGATGGGTGAAGCAGTTCAGAGTTTGTGGACAAGGAAGA
 GAAAGATGCCATCGAGGAATTAGTGAAGTACCAGTTGGAGAAAACGCAGCGGTTTCTTAAGGAGCGCCAC
 ATCGATGCTCTAGAAGACAAGATTGATGAAGAGGTCCGGCGTTTCAGAGAAAGCAGACAGAGAAATACCA
 ACGAAGAAGACGATGAAGTTCGAGAGGCCATGAGCAGGGCCCGGGCCCTCAGGTCACAGTCGGAGAACGC
 CGCCTCAGCCTTCAGTGCAGATGACCTGAGTTTTGATATAACAGAGCAGACAGCAGATGACTCTGACGAT
 AGCCAGTCAGCAGTGCCAGCCGAGGCCGAGGTCGAGGCCGAGGACGAAGAGGAGGCAGAGGGCAGAGCA
 CTGCACCCAGAGGAGGCTCTCAGAGAGGCCGAGACACTGGGCTGGGGATCTCTACTCGGGGCAGGAGCTC
 AAAGGCCACTGCGTCAACATCTAGAAATATGTCCATTATAGATGCTTTCAGATCTACCCGACAGCAGCCT
 TCCAGAAATGTAGCCACTAAGAATTACTCAGAGACATTGAGGTGGATGAATCTGATGACGATGACAGTT
 TTCCTACCAGCTCCAGGGCTGATCAAAGGTGGTCGGGCACAGCACCTAGCAAACGGATGTCCCAGAGCCA
 GACAGCCAAAGGGGTGGACTTTGAATCAGACGAGGACGATGACGACGACCCTTTCATGAGTGGTAGTTGC
 CCAAGAAGAAACCGAAGTAA

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-RsrII
ACCN: NM_022279
Insert Size: 2121 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_022279.1</u> , <u>NP_071615.1</u>
RefSeq Size:	2133 bp
RefSeq ORF:	2121 bp
Locus ID:	64046
UniProt ID:	<u>Q9JIM0</u>
Cytogenetics:	8q12
Gene Summary:	may play a role in regulation of cardiomyocyte proliferation [RGD, Feb 2006]