

Product datasheet for MC203616

Mymk (NM_025376) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Mymk (NM_025376) Mouse Untagged Clone
Tag: Tag Free
Symbol: Mymk
Synonyms: 1110002H13Rik; AI131587; myomaker; Tmem8c
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC062145
TTTTTCTTCTGCGCTGGAGACCAGGGGGCCTTTACCACCTTCTCCCCAGTCAGTGCCTTCTCCTCGGT
CCATGGGGACAGTTGTAGCCAACTGCTCCTGCCTACCCTCAGCAGCCTGGCCTTCTCCCGACAGTGAG
CATCGCTACCAAGAGGCGTTTCTACATGGAGGCCATGGTCTACCTCTTACCATGTTCTTTGTGGGTTT
TCCCATGCCTGTGATGGGCTGGTTTGTCTGTGCTGTGCTTCATGCGCCGTGACATTCTGGAGTACTTCA
GCATCTATGGAACAGCCCTGAGCATGTGGGTCTCCCTGATGGCACTGGCCGACTTTGATGAACCCAGAG
ATCGACCTTACAATGCTTGGCGTCTTACCATCGCTGTGCGGACTTTTCATGACCGCTGGGGTTACGGG
GTATACTCCGGTCCCATAGGCACGGCCACCCTCATCATTGCTGTAAGTGGCTGAAGAAGATGAAAGAGA
AGAAGGGCTGTACCCGACAAGAGCATCTACACCAGCAGATAGGCCCGGCCTGTGCTTTGGGGCCCT
GGCCCTGATGCTTCGATTCTTCTTTGAGGAATGGGATTACACCTACGTCCACAGTCTTACCCTGTGCC
CTGGCCATGTCTTTGCTGCTGCTGCCAAGGTCAACAAGAAGGCTGGGAACGCAGGGGCCCCCGCCA
AGCTGACCTTCTCCACCTCTGCTGCACTTGTGTCTGACTATACCCCGCCACACACACACACACCAGG
CCCCTGCCTTCTGCTGGCAGTCTGCTGCTCTCCCAAGTACTTCTATACTTTGTTATGCGGCTG
TACATGAGAAATGGTCTTCTCTACACCCCAAGAGACCAGCAGGCCTGCTGCATTCTGCTGAGTGTGCTT
AGGGACCCACTGGTTCTGTGTTACCAAGTTGCTTCACTCTGTTTCAAGGAAAAAAGAACTTTATCCCCCA
AGGCCTACAACCATAGGTGTGCTGGCAGAGAACCTAGACCAGTAAATACCCAGCAGCATGCAGGGTT
ATCTATTTCCAGGTCTGCCTGTCAGAATCGTCTGCTTTCCCTAGGAACTGGGATTGCCCTTTAACC
CTGCCCAGGCTCTGAAAGCTCTCCACTTAGGAAGCTGGAGCCAGCGAACCTTGATACCCCTGCCTGAG
TCCCATCCCTTCTGCAGGTTTTGATCAAGCCATTACAGTAACTCTTGATCAGCCACTAGTCATTAGC
TTCGCCTAACATACATTCTAGTTCTGGAAA

Restriction Sites: RsrII-NotI
ACCN: NM_025376
Insert Size: 666 bp



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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:	BC062145 , AAH62145
RefSeq Size:	1327 bp
RefSeq ORF:	666 bp
Locus ID:	66139
UniProt ID:	Q9D1N4
Cytogenetics:	2 A3
Gene Summary:	<p>Myoblast-specific protein that mediates myoblast fusion, an essential step for the formation of multi-nucleated muscle fibers (PubMed:23868259, PubMed:28386024, PubMed:28681861, PubMed:30197239). Actively participates in the membrane fusion reaction by mediating the mixing of cell membrane lipids (hemifusion) upstream of MYMX (PubMed:30197239). Acts independently of MYMX (PubMed:30197239). Involved in skeletal muscle regeneration in response to injury by mediating the fusion of satellite cells, a population of muscle stem cells, with injured myofibers (PubMed:25085416). Also involved in skeletal muscle hypertrophy, probably by mediating the fusion of satellite cells with myofibers (PubMed:28186492). [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).</p>