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Product datasheet for MC225069

Myh7b (NM_001085378) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Myh7b (NM_001085378) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Myh7b
Synonyms:	Myh14
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC225069 representing NM_001085378 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGATGGATATGAGTGAACTTGGAGAATCAGCCTGCTACCTCCGCCAGGGCTACCAGGAAATGATGAAGG TGCACACTGTCCCATGGGATGGTAAGAAACGGGTCTGGGTGCCTGATGAGCAGGATGCCTATGTGGAGGC TGAGGTCAAGACTGAAGCTACTGGAGGCAAAGTCACTGTGGAGACCAAAGACCAGAAGGTGCTGACAGTG CGTGAAACGGAGATGCAACCCATGAACCCACCCCGTTTCGACTTACTGGAGGACATGGCCATGATGACGC ACCTCAACGAGGCTGCAGTGCTGCATAACCTGCGGCAGCGCTATGCTCGCTGGATGATCTACACATACTC GGGCCTCTTCTGTGTCACCATTAACCCATACAAATGGCTCCCGGTCTACACAGCTGCTGTGGTGGCTGCC TACAAGGGCAAGCGTCGCTCCGAGGCCCCACCTCATATATATGCAGTGGCAGATAATGCCTACAACGACA TGCTCCGCAACCGAGAGAATCAGTCCATGCTGATCACCGGAGAGTCGGGGGCCGGTAAGACGGTTAACAC CAAGCGGGTCATTCAGTACTTTGCCATCGTCGCTGCCCTGGGAGACGGGCCGGGCAAGAAGGCACAATTT CTGGCGACAAAGACAGGGGGCACCCTTGAGGATCAAATCATCGAGGCTAACCCTGCCATGGAGGCTTTTG GCAACGCCAAGACTCTGAGGAACGACAACTCCTCCCGTTTTGGCAAGTTCATCCGCATCCACTTTGGTCC CACTGGGAAGCTGGCCTCTGCGGACATTGATAGCTATCTCCTGGAGAAGTCGCGAGTGATCTTCCAGCTG CCCGGTGAGCGTGGTTACCATGTCTACTACCAGATCCTCTCAGGGAAGAAGCCGGAGCTGCAGGACATGC TGCTCCTGTCCATGAATCCCTACGACTACCACTTCTGCAGCCAGGGGGTCACCACTGTGGACAACATGGA TGACGGCGAGGAACTTATCGCCACTGATCATGCAATGGATATCCTGGGCTTCAGTGTGGATGAGAAGTGT GCCTGCTATAAGATCGTGGGTGCTCTCCTGCACTTTGGCAACATGAAGTTCAAACAGAAGCAGAGAGAGG AACAGGCTGAGGCAGACGGCACTGAGAGTGCGGACAAGGCTGCCTACTTGATGGGTGTCAGCAGCGGGGA CCTCCTCAAAGGTCTCCTGCATCCCCGGGTTCGTGTGGGAAATGAGTATGTTACCAAGGGCCAGAGTGTG GAGCAGGTGGTATTTGCCGTGGGGGCCCTGGCCAAGGCTACCTACGACCGGTTGTTCCGATGGCTGGTTT CTCGAATCAATCAGACCCTGGACACAAAGCTCCCTCGACAGTTCTTTATCGGGGTCCTGGACATCGCTGG TTTTGAGATTTTTGAGTTTAACAGCTTCGAGCAGCTGTGCATCAACTTCACCAACGAGAAGCTGCAGCAG TTCTTCAACCAGCACATGTTCGTGCTGGAGCAGGAGGAGTACAAGCGGGAGGGCATCGACTGGGTCTTCA

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ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001085378

Insert Size: 5826 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:
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: NM_001085378.2, NP_001078847.1

RefSeq Size: 6132 bp

RefSeq ORF: 5826 bp

Locus ID: 668940

UniProt ID: A2AQP0

Cytogenetics: 2 H1

Gene Summary: This gene encodes a myosin heavy chain. The encoded protein forms a hexamer comprised of two heavy chains, two alkali light chains, and two regulatory light chain components. This complex functions in muscle contraction. [provided by RefSeq, Jun 2013]