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Product datasheet for RN209111

Myh2 (NM_001135157) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Myh2 (NM_001135157) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Myh2
Synonyms:	Myh1; Myh2a; MyHC-2A; MyHC-IIA
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN209111 representing NM_001135157 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGAGTTCCGACTCTGAGATGGCCGTTTTCGGGGAGGCTGCTCCTTACCTCCGGAAGTCTGAAAAGGAGC GAATCGAGGCCCAGAATAGGCCTTTTGATGCCAAAACATCTGTCTTTGTGGCGGAGCCCAAGGAGTCCTT TGTCAAAGGAACCATTCAGAGCAAAGACGCAGGGAAAGTGACTGTGAAAACTGAAGCAGGAGCGACCCTG ACGGTGAAAGAAGACCAGATCTTCCCCATGAACCCTCCCAAGTACGACAAGATCGAGGACATGGCCATGA TGACCCACCTCCACGAGCCCGCTGTGCTGTACAACCTCAAAGAGCGTTACGCAGCCTGGATGATCTACAC CTACTCGGGCCTCTTCTGTGTCACTGTCAACCCCTACAAGTGGCTGCCAGTGTACAACCCTGAGGTGGTG GCTGCCTACCGTGGCAAAAAGCGACAGGAGGCCCCGCCCCACATCTTCTCCATCTCTGACAATGCCTACC AGTTCATGCTAACTGACCGGGAGAATCAGTCAATCCTGATCACCGGAGAATCCGGGGCCGGGAAGACTGT GAACACGAAGCGTGTCATCCAGTACTTTGCAACAATTGCAGTCACTGGGGAGAAAAAGAAGGAGGAGGTG ACTTCTGGCAAAATGCAGGGGACCCTGGAAGATCAAATCATCAGTGCCAACCCTCTGCTGGAGGCCTTTG GGAATGCCAAGACCGTGAGGAATGACAACTCCTCTCGCTTTGGTAAATTCATCAGGATTCACTTTGGCAC CACGGGGAAACTGGCATCCGCTGACATCGAGACATATCTGCTAGAGAAGTCCCGGGTCACTTTCCAGCTT AAGGCGGAAAGGAGCTACCATATATTTTATCAAATCACATCCAACAAGAAGCCAGAGCTGATCGAAATGC TGCTGATCACCACAAACCCATACGATTACCCATTCGTCAGTCAAGGGGAGATCAGTGTGGCCAGCATTGA TGACCAGGAAGAACTGATGGCCACGGATAGTGCTATTGACATTCTGGGCTTTACAAATGATGAAAAGGTC TCCATCTATAAGCTCACGGGAGCTGTGATGCATTATGGGAACATGAAGTTCAAGCAGAAGCAGCGGGAAG AACAGGCTGAGCCGGATGGCACGGAAGTGGCTGACAAGGCTGCCTATCTTCAGGGTCTGAACTCTGCTGA CCTGCTCAAAGCCCTTTGTTACCCCAGGGTCAAGGTCGGCAATGAGTACGTCACCAAAGGCCAGACTGTG GAGCAGGTGACCAACGCTGTGGGTGCCCTGGCCAAGGCCATGTACGAGAAGATGTTCCTGTGGATGGTCA CCCGCATCAACCAGCAGCTGGACACCAAGCAGCCCAGGCAGTACTTCATCGGGGTCTTGGACATCGCTGG CTTTGAGATCTTTGATTTCAACAGCCTGGAGCAGCTGTGCATCAACTTCACCAACGAGAAACTGCAACAG TTTTTCAACCACCACATGTTCGTGCTGGAGCAGGAGGAGTACAAGAAGGAAGGCATCGAGTGGACCTTCA

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ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001135157

Insert Size: 5829 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_001135157.1, NP_001128629.1

RefSeq Size: 6041 bp

RefSeq ORF: 5829 bp

Locus ID: 691644

Cytogenetics: 10q24

Gene Summary: mouse homolog is a heavy chain skeletal muscle myosin [RGD, Feb 2006]