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Product datasheet for MC225091

Myo9b (NM_001142323) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Myo9b (NM_001142323) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Myo9b
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC225091 representing NM_001142323 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAGTGCGCACGAGGCTGGCAGCTCGGGCCGTCGGCAGCAGGCCACCTACCACCTGCACATCTACCCGC
AGCTGTCCAGCGCTGGGAGCCAGACCTCATGCCGTGTGACCGCCACCAAGGACAGCACAACAAGCGATGT
CATCCAGGATGTGGTGGCCAGCCTACACCTGGATGGCTCGAAGCACTACGTGCTGGTGGAGGTGAAGGAG
TCAGGCGGGGAGGAGTGGGTGTTGGATGCCAGCGACTCACCTGTACACCGAGTGCTACTGTGGCCTCGGC
GAGCTCAGGACGAGCACCCTCAGGAGGATGGCTACTACTTCTTGCTGCAGGAACGCAATGCTGATGGCAG
TATTCAGTACCTGCCCATACAGCTGCTGGCTCAGCCTACAGCTGCATGTCGCCTGGTAGAGCGAGGGCTG
TTGCCGAGGCCTCAAGCAGACTTTGATGACCTGTGCAACCTGCCAGAGCTGACTGAAGCCAACCTGCTGC
AGAACCTGAAGCTGCGCTTCATGCAGCAAAAGATCTACACATACGCGGGCAGCATCCTGGTGGCCATCAA
CCCCTTTAAGTTCCTGCCCATTTACAACCCCAAGTATGTGAAGATGTATGAGAACCAACAGCTGGGCAAA
CTGGAGCCACATGTGTTCGCTCTGGCCGATGTAGCCTACTACGCCATGCTGCGCAAGCACGTGAACCAGT
GTATCGTCATCTCTGGTGAGAGTGGCTCTGGCAAGACACAGAGCACCAACTTCCTCATCCACTGCCTCAC
AGCGCTCAGCCAGAAGGGCTATGCCAGTGGCGTCGAAAGGACCATCCTGGGAGCAGGGCCTGTGCTGGAG
GCTTTTGGGAATGCCAAGACAGCCCACAACAACAACTCCAGCCGCTTCGGGAAGTTCATCCAAGTCAACT
ACCTAGAAAATGGCATTGTGAGGGGAGCTGTTGTGGAAAAATACCTTCTTGAAAAGTCTCGCCTGGTTTC
CCAGGAGAAGGATGAGCGGAACTACCATGTGTTTTATTATCTGCTGCTGGGTGTCAGTGAGGAGGAGCGC
CTGGAATTTCAGCTGAAGCAGCCTCAAGACTATTTCTACCTCAACCAGCATAACTTGAATATTGAAGATG
GAGAAGACCTCAAACATGACTTTGAAAGGCTTCAGCAGGCCATGGAGATGGTGGGCTTCCTGCCTGCCAC
CAAGAAGCAGATCTTCTCTGTCCTCTCAGCCATCCTGTACCTTGGCAATGTCACCTACAAGAAGAGAGCC
ACAGGCCGAGATGAAGGCCTGGAGGTCGGTCCTCCAGAGGTGTTGGACACCCTCTCCCAGCTCTTAAAGG
TAAAGCGGGAGACCCTGGTGGAGGTCTTAACCAAGAGAAAAACAGTTACAGTCAATGACAAACTCATCCT
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TGTCCATTGGCGTCCTGGACATCTTTGGATTTGAGGACTTCGAAAGGAATAGCTTTGAGCAGTTTTGCAT
CAACTATGCCAATGAGCAGTTGCAGTACTACTTCACCCAGCACATCTTCAAGCTGGAGCAGGAGGAGTAC

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CAGGGTGAGGGCATCTCGTGGCACAACATTGACTACACCGACAACGTGGGCTGTATCCACCTCATCAGCA
AGAAGCCCACTGGCCTCTTCTACCTGCTGGACGAGGAGAGCAACTTCCCACATGCCACAAGCCACACTTT
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TTCATCATCCAGCACTTCGCGGGCAGAGTGAAATACCAGATCAAGGACTTCCGGGAGAAGAACATGGACT
ACATGCGGCCTGACATCGTGGCACTGCTAAGGGGCAGTGACAGCTCCTATGTGCGCCAGCTCATTGGCAT
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GCGTAGAATCCTGCAGCTGCAGAGTTGGTTCCGTATGGTGCTGGAACGCAAGCACTTTGTACAGATGAAG
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GATGAACAAGTCCCCAGACGGCATGTCACCTAAGAAGGAGACACCCAGCCCAGAGATGGAGACCGCAGCC
CAAAAGACAGTGCCAGCTGAAAGTCATGAGAAAGTCTCCAGTAGCCGAGAGAAGCGAGAGTCACGGCGGC
AACGAGGGTTGGAGCATGTTGAACGACAGAATAAACACATCCAATCCTGCAGGGAGGAGAGCAGCACCCA
CCGAGAACCTTCCAGAAGGGCAAGCCTGGAAATAGGGGAAAGCTTCCCTGAGGGCACAAAGGGACCCAGA
GAAGATGGACTTGAGGCATGGACTGAGACCACAGCCCCCTCTAGTTCAAAGCAGGCACAGGTTGTGGGAG
ACCCACCTGGGAGTCCCAGTCCCGTGCAGAGGCCCACCACCCTGGCCCTAGACAGTAGGGTTAGCCCAAT
GCTCCCCAGCAGCTCCCTGGAGGTTAGCCCAGTGCTCCCCAGCAGCTCCCTGGAATCCCCCAAAGATAAG
GACAAGGATGAGAGCAGCACCAAGGCTCAGGACAAGCCCGAGAGTCCCAGTGGCTCCACCCAGATCCAAC
GATACCAACACCCAGACACAGAGCGGCTGGCCACTGCTGTAGAGATATGGCGAGGCAAGAAGCTTGCCAG
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GAGGAGAGGCGCATCTCTTTCTCCACCAGTGACGTCTCCAAGCTGTCCCCAGTCAAGGTACAGACTTCAG
CTGAAATCGATGGGGACTTTAGCAGCAAGAAGCCATCCATCCATAAGAAGAAGTCAGGAGATCCATCCGC
TGGTCCTGATGCAGGCCTGTCTCCAGGCTCCCAGGGTGACTCTAAATCTGCATTTAAGCGGCTCTTCCTG
CACAAAGCCAAGGATAAGAAGCCCAGCCTGGAGGGTGTAGAGGAGACAGAGAGCAATGGAGGGCAGGCTG
CACAGGAGACCCCGGCCAGGAAGACTCTAGACGTACCTTCTAGCCAGCAGCACCGCCATACCACAGGTGA
GAAGCCCCTAAAAGGGAAGAAGAACCGAAATCGCAAAGTTGGCCAGATCACAGTGTCCGAGAAGTGGCGA
GAGTCAGTGTTCCGTAAGATCACTAATGCCAATGAGCTCAAGTTTCTGGACGAGTTCCTGCTCAACAAGG
TGAATGACCTTCGCTCACAGAAGACACCCATCGAAAGCTTGTTCATTGAGGCCACTGAGCGCTTCAGGAG
CAACATCAAGACCATGTATTCGGTGCCTAATGGGAAGATCCATGTAGGCTACAAGGACCTGATGGAGAAC
TACCAGATCGTTGTCAGTAACCTGGCTGCCGAGCGTGGGGAGAAGGACACCAATCTGGTCCTCAATGTCT
TCCAGTCACTGCTGGATGAGTTCACCCGCAGCTACAACAAGACTGACTTTGAGCGGGCCAAGCAGAGCAA
AGCCCAGAAGAAGAAGCGGAAGCAGGAGCGTGCTGTCCAGGAACACAATGGACATGTGTTTGCCAGCTAC
CAGGTGAACATTCCACAGTCATGTGAGCAGTGTCTGTCCTACATCTGGCTCATGGACAAGGCTCTACTGT
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AAGGAGGAAGAGTGAGCTGGGTGCCGAACCAGGCCACTTCGGTGTGTGTGTAGACAGCCTGACCAGTGAC
AAGGCCTCCGTGCCCATTGTGCTGGAGAAGCTTCTGGAACACGTAGAGATGCATGGCCTGTACACTGAGG
GCCTTTACCGCAAGTCAGGAGCTGCCAACCGGACACGGGAATTACGCCAGGCACTGCAGACAGACCCTGC
TGCAGTTAAGCTGGAAGACTTCCCTATCCACGCTATCACCGGGGTCCTGAAGCAATGGCTTCGTGAGCTG
CCTGAGCCACTCATGACTTTTGCCCAGTATGGAGATTTCCTCAGGGCTGTTGAGCTTCCAGAGAAGCAGG

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AGCAGCTGTCTGCCATCTATGCAGTCCTGGACCACCTGCCAGAAGCCAACCACACCTCCCTGGAGCGACT
CATCTTCCACCTTGTCAAAGTGGCCCTGCTTGAAGATGTGAACCGCATGTCTCCGGGAGCTCTAGCTATC
ATCTTTGCACCCTGCCTGCTTCGCTGCCCTGACAACTCCGACCCCCTGACCAGCATGAAGGATGTACTGA
AGATCACCACGTGTGTGGAGATGCTCATCAAAGAACAGATGAGGAAGTACAAGATGAAGATGGAGGAAAT
CAACCACCTGGAGGCTGCTGAGAGCATTGCATTCCGCAGGCTCTCCCTGTTGAGGCAGAATGCTATCAAA
AGCCCCAGGACCCCAGTGGTCCAAGACCTGGAGCTGGGGGCTCTCCCCGAGGAGGCTGCAGGTGGCGACG
AGGACCGAGAAAAGGAGATTCTCATGGAGAGGATCCAGTCCATCAAGGAAGAGAAGGAGGACATCACATA
TCGACTGCCGGAGCTGGACCCACGGGGTTCTGATGAGGAGAACCTTGACTCAGAGACATCGGCCAGCACT
GAGAGCCTGCTGGAGGAGAGGGGCGTGCGGGGGGCCGTGGAAGAGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001142323

Insert Size: 5928 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_001142323.1, NP_001135795.1

RefSeq Size: 7142 bp

RefSeq ORF: 5928 bp

Locus ID: 17925

Cytogenetics: 8 34.43 cM

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