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Product datasheet for MC223344

Myo1a (NM_001081219) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Myo1a (NM_001081219) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Myo1a
Synonyms:	BBM-I; Myhl
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC223344 representing NM_001081219 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGCCTCTCCTGGAAGGTCCCGTGGGGGTGGAAGACCTCATCCTCCTGGAGCCCCTAGATGAGGAGTCTC TGATCAAGAACCTCCAACTCCGTTATGAAAACAAAGAGATTTATACATACATTGGGAATGTGGTGATCTC AATGAACCCCTACGAGCAGCTTCCCATCTATGGACCAGAGTTCATTGCCAAATACCGGGACTATACTTTC TATGAGCTGAAGCCTCACATCTATGCTTTGGCAAATGTGGCCTACCAGTCACTGAAGGATCGGGACCGGG ACCAGTGTATCCTCATCACAGGCGAGAGTGGAGCTGGCAAGACTGAGGCGAGTAAGCTAGTGATGTCCTA CGTGGCTGCTGTCTGTGGGAAAGGAGAGCAGGTGAACTCTGTGAAGGAGCAGCTGCTTCAGTCAAACCCA GTGCTGGAAGCATTTGGCAATGCCAAGACCATCCGCAATAACAACTCCTCTCGATTTGGAAAGTACATGG ACATCGAGTTTGACTTCAAAGGGTCCCCCCTGGGCGGTGTCATCACCAACTATCTGCTTGAGAAGTCCCG AGTGGTGAAGCAACTCAAAGGGGAGAGGAATTTCCATATCTTCTATCAACTGCTGGCTGGAGCAGACGCA CAGCTGCTGAAGGCCCTAAAGCTTGAGGAGGACACGAGTGTATACGGCTACCTGAATGGGGAGGTGTCCA AGGTGAACGGTATGGACGACGCCTCCAACTTCAGGGCTGTGCAGCATGCGATGTCAGTGATTGGCTTCTC AGAGGAGGAAATTAGACAAGTGCTGGAGGTGACAGCCCTGGTGCTGAAGCTGGGGAACGTGAAGCTGACA GACGAGTTCCAGGCCAATGGGATCCCAGCCAGTGGCATCTGTGATGGGAAAGGTATTCAGGAGATTGGGG AGATGATGGGCTTGAACTCTACGGAACTAGAGAGAGCGCTGTGCTCAAGAACTATGGAGACAGGCAAAGA GAAGGTGGTCACGGTGCTGAATGTCACACAGGCTCAATATGCTCGGGATGCCCTGGCAAAGAATATTTAC AGCCGCCTCTTCGACTGGATAGTGAAACGCATCAACGAGAGCATCAAGGTGGGCACTGGGGAGAAGAAGA AGGTTATGGGGGTCCTGGATATCTACGGCTTTGAGATATTGGAGGATAACAGCTTTGAGCAGTTCGTGAT CAACTACTGCAATGAGAGGCTACAGCAGGTGTTCATAGAACTGACCCTGAAGGAAGAACAGGAGGAATAC AAGAGAGAAGGCATACCGTGGACAAAGGTGGAATACTTTGACAACGGCATCATCTGTAACCTCATTGAAC ATAGTCAGCGAGGTATCCTGGCCATGCTGGACGAGGAGTGCCTGAGACCCGGGGTGGTTAGTGACTCCAC CTTCTTAGCGAAGCTGAACCAGCTCTTCTCTAAGCACAGTCACTACGAGAGTAAAGTCTCCCAGAATGCC

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CAGCGCCAGTACGACCGCACCATGGGCCTCAGCTGCTTCCGCATCAGCCACTACGCGGGCAAGGTGACCT
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CAGTGAGGTTCAAGGAGGGCAGTGTGGCTGTCAAGGTTATCCAGGGCCCCGAGGGGGGTGGGAACAGAAA
ACTGATTTGCAAGAAGAAGGGGAGTAATGCCATGGAGGTGACTGTGCGGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001081219

Insert Size: 3132 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_001081219.2, NP_001074688.1

RefSeq Size: 3353 bp

RefSeq ORF:	3132 bp
Locus ID:	432516
UniProt ID:	O88329
Cytogenetics:	10 74.62 cM
Gene Summary:	Involved in directing the movement of organelles along actin filaments.[UniProtKB/Swiss-Prot Function]