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Product datasheet for RN217731

Myo18a (NM_001172137) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids

Product Name: Myo18a (NM_001172137) Rat Untagged Clone

Tag: Tag Free

Symbol: Myo18a

Vector: pCMV6-Entry (PS100001)

E. coli Selection: Kanamycin (25 ug/mL)

Cell Selection: Neomycin

Fully Sequenced ORF:

>RN217731 representing NM_001172137
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTTTAACCTCATGAAGAAAGACAAGGACAAAGATGGCGGGCGGAAGGAGAAGAAGGAGAAAAAGGAGA
AGAAGGAGAGGATGTCTGCGGCAGAACTGCGGAGCCTGGAAGAGATGAGCATGCGCCGTGGCTTTTTCAA
CTTGAACCGGTCCTCCAAGCGGGAATCCAAGACGCGCCTGGAAATCTCCAACCCCATCCCTATCAAGGTG
GCCAGTGGCTCTGACCTGCACCTAACCGACATTGACTCTGACAGCAATAGGGGTAGCATCATCCTGGATT
CAGGCCACCTAAGCACAGCCAGCTCCAGTGATGACCTCAAGGGTGAAGAAGGCAGCTTCCGGGGTTCTGT
GCTGCAGCGGGCAGCTAAGTTCGGTTCACTAGCCAAGCAGAACTCTCAGATGATTGTCAAACGTTTTTCC
TTTTCTCAACGGAGCCGGGATGAGAGTGCCTCAGAGACCTCAACCCCCTCAGAGCACTCTGCAGCCCCAT
CACCTCAGGTAGAGGTGAGGACGCTTGAGGGACAGCTAATGCAGCACTCTGGGCTAGGCATCCCTCGACC
AGGACCCAGGTCTCGAGTCCCTGAGCTGGTGACTAAAAGATTCCCAGCTGACTTACGTCTCCCGGCTCTG
GTGCCCCCACCACCTCCTGCTCTCCGGGAGCTGGAGTTACAACGACGACCCACAGGAGACTTTGGCTTCT
CACTGCGGCGCACAACCATGCTGGACCGGGCCCCTGAGGGTCAGGCCTATCGACGTGTGGTTCACTTTGC
TGAGCCAGGGGCAGGCACCAAGGACCTGGCCTTGGGGCTGGTGCCAGGAGACCGACTGGTGGAGATTAAT
GGACAGAATGTGGAGAATAAGTCCAGGGATGAAATTGTGGAGATGATCCGGCAGTCTGGGGACAGTGTGC
GGCTCAAGGTACAGCCCATCCCAGAGCTTAGCGAGCTGAGCCGGAGCTGGCTTCGGACTGGCGAGGGACA
CCGCAGGGAGCCGACTGATGCCAAGACAGAAGAGCAGATTGCCGCTGAAGAGGCCTGGTATGAGACGGAG
AAGGTGTGGCTGGTCCATAGAGATGGATTCTCCTTAGCCAGCCAGCTCAAGTCGGAGGAGCTCAGCCTAC
CCGAGGGGAAGGTGCGCGTGAAGCTAGACCACGATGGAGCCATCCTGGATGTGGATGAAGATGACGTAGA
GAAGGCTAACGCTCCCTCATGTGACCGACTAGAAGATCTGGCCTCCTTGGTGTACCTCAACGAGTCTAGC
GTCCTGCATACACTGCGCCAGCGCTATGGGGCCAGCCTGCTACACACCTATGCCGGCCCTAGCCTGCTTG
TCCTTAGCCCCCGAGGGGCTCCTGCTGTGTATTCAGAGAAGGTGATGCACATGTTCAAGGGGTGTCGGCG
GGAGGACATGGCACCCCACATCTATGCTGTAGCCCAGACTGCATATAGGGCCATGTTGATGAGTCGTCAG
GACCAGTCCATCGTCCTTCTGGGCAGTAGTGGCAGTGGCAAGACCACCAGCTCTCAGCATCTGGTGCAGT
ATCTGGCTACCATTGCCGGCACCAGCGGGAACAAGGTGTTCTCAGTGGAGAAGTGGCAGGCTCTGGCCAC
CCTCCTGGAAGCCTTTGGGAACAGCCCTACCATCATGAACGGCAGTGCCACCCGCTTCTCCCAGATCCTC

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TCCCTGGACTTTGACCAAGCTGGCCAGGTGGCTTCAGCCTCCGTCCAGACCATGCTCCTGGAGAAGCTGC
GTGTGGCCCGACGCCCAGCCAGCGAGGCCACTTTCAATGTCTTCTACTACTTGCTGGCCTGTGGGGACAG
CACCCTCAGGACAGAGCTCCACCTGAACCACTTGGCAGAGAACAATGTGTTTGGAATTGTGCCATTGTCC
AAGCCTGAGGAGAAGCAGAGGGCTGCTCAGCAGTTCAGTAAGCTACAGACGGCCATGAAGGTGCTGGCCA
TCTCCCCTGAGGAACAGAAGGCCTGCTGGCTCATCCTGGCTTCCATCTACCACTTGGGGGCTGCTGGAGC
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CTGCTAGGCTGCAGCTTGGAAGAGCTGTCCTCAGCGATCTTCAAGCACCAGCTCAAAGGCGGCACCCTGC
AACGGTCTACCTCCTTCCGTCAGGGCCCTGAGGAGAGCGGCCTGGGAGAGGGTACAGGCACCAAGCTGAG
TGCTCTGGAGTGCTTAGAGGGTATGGCGTCTGGCCTCTACAGCGAGCTCTTTACTCTCCTCATCTCCCTG
GTAAACAGGGCTCTCAAGTCCAGCCAGCACTCACTGTGTTCCATGATGATTGTGGATACACCAGGCTTCC
AGAACCCTGAATGGGGTGGCTCAGCCCGTGGCGCCTCCTTCGAGGAGCTGTGCCACAACTATGCCCAGGA
CAGGTTGCAGAAGCTGTTCCATGAGCGCACCTTCCTCCAGGAGTTGGAAAGGTACAAGGAGGACAACATC
GAACTGGCGTTTGATGACTTGGAGCCAGTCACAGATGACTCAGTGGCTGCTGTGGACCAGGCCTCCCACC
AGTCCCTGGTTCGCTCACTGGCCCATGCCGATGAGGCAAGAGGACTACTGTGGCTCCTAGAAGAGGAGGC
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GACAAAAAAGGTCAGAGTCCTCTTCTGCGCAGTAGCAAACCACGGCACTTTCTCCTGGGCCACAGCCATG
GTACCAACTGGGTGGAGTACAATGTGACCGGCTGGCTGAACTACACCAAGCAGAACCCAGCCACCCAGAA
TGCACCCCGGCTCCTGCAGGACTCCCAGAAAAAGATCATCAGCAACCTGTTTCTGGGCCGGGCAGGCACT
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TGCCTCCGGGAGACCCCTGCGAGGCTGGGCTGCTACAACTGGATGTGTCCCTGCTCCGTGCCCAGCTTCG
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GAGGAGATCCAGCAGCTGCGAAACAAGCTTGAGAAGGTGGAGAAAGAGAGGAATGAGCTTCGGCTCAACA
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CGCCTCCCAGCTGCTGGACGCGGAGACAGCCGAGAGGCTCCGGACCGAGAAGGAAATGAAAGAGCTACAG
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GGGCAGCCGAGATCAACGGGGAGGTGGATGACGATGACGCAGGGGGAGAGTGGCGGCTGAAGTACGAGCG
AGCTGTTCGGGAGGTGGACTTCACCAAGAAGCGGCTTCAGCAGGAGCTGGAAGACAAGATGGAGGTGGAG
CAGCAGAACAGGAGGCAGCTGGAGAGGCGGCTTGGGGACCTGCAAGCAGATAGTGACGAGAGTCAGCGGG
CACTGCAGCAGCTCAAGAAAAAGTGCCAACGGCTCACAGCTGAGCTGCAGGACACCAAGCTGCACCTGGA
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AGGCCTTCAGCCTGAAGCAGCAGATGGAGGAAAAAGACTTGGATATCGCAGGGTTTACCCAGAAGGTTGT
TTCCTTGGAGGCCGAGCTTCAGGACATTTCTTCTCAAGAGTCTAAGGATGAGGCTTCTCTGGCCAAGGTC
AAGAAGCAGCTCCGGGACTTGGAGGCCAAGGTCAAGGATCAGGAAGAGGAGCTGGATGAACAGGCTGGGA
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CAAGGAGATGGAGAGCCGGGATGAGGAGGTGGAAGAGGCCCGGCAGTCATGTCAGAAGAAGCTAAGGCAG
ATGGAAGTTCAGCTGGAGGAGGAGTATGAAGACAAGCAGAAGGCGCTGCGGGAGAAACGGGAGCTGGAGA
GCAAGCTCTCCACGCTCAGTGACCAGGTGAACCAGCGGGACTTTGAATCAGAGAAGCGGCTACGGAAAGA
CCTGAAGCGCACCAAAGCGCTGCTGGCAGATGCTCAGATCATGCTGGACCACTTAAAGAACAATGCCCCC
AGCAAGAGGGAGATTGCCCAGCTGAAGAACCAGCTGGAAGAGTCGGAATTCACCTGTGCAGCAGCTGTGA
AGGCACGGAAAGCAATGGAGGTGGAGATGGAAGACCTGCACCTGCAGATCGATGACATCGCCAAAGCCAA
GACAGCGCTGGAGGAGCAACTGAGTCGCCTTCAGCGTGAGAAAAATGAGATTCAGAACCGGCTGGAAGAG
GACCAGGAGGACATGAATGAGCTGATGAAGAAGCACAAGGCGGCCGTGGCTCAGGCCTCCCGGGACATGG

CACAGATGAATGATCTCCAAGCTCAGCTCGAAGAGTCCAACAAGGAGAAGCAGGAGCTACAGGAGAAGCT
ACAAGCTCTGCAGAGCCAGGTGGAGTTCCTAGAGCAGTCCATGGTGGACAAGTCCCTTGTCAGCAGGCAG
GAAGCGAAGATCAGGGAGCTGGAGACACGCCTGGAGTTCGAAAAGACCCAAGTGAAACGTCTGGAGAGCA
TGGCCAGTCGGCTCAAAGAAAACATGGAGAAGCTGACTGAGGAACGGGACCAGCGCGCTGCAGCTGAGAA
CCGTGAGAAGGAGCAGAACAAGAGGCTCCAGCGACAGCTCCGTGACACCAAGGAGGAGATGAGCGAGCTT
GCCAGGAAGGAAGCTGAGGCTAGTCGCAAGAAGCACGAACTGGAGATGGACTTGGAGAGTCTGGAAGCCG
CTAACCAAAGCCTGCAAGCTGACCTAAAGCTGGCGTTCAAACGCATTGGGGACTTGCAAGCCGCCATTGA
GGATGAGATGGAGAGTGATGAGAATGAGGACCTTATCAACAGTTTGCAGGATATGGTGACAAAATATCAG
AAAAGAAAGAATAAACTTGAGGGCGACTCAGACGTGGACTCAGAGCTGGAGGACCGGGTCGACGGTGTCA
AGTCCTGGTTGTCAAAGAACAAGGGACCCTCTAAGGCACCTTCCGACGATGGCAGCTTAAAGAGTTCCAG
CCCAACCAGCCACTGGAAGTCCCTCGCCCCCGACCTGTCGGATGATGAGCACGATCCTGTGGACAGCATC
TCCAGACCCCGGTTCTCCCACAACTATCTGAGTGACAGTGACACAGAGGCCAAGCTGACAGAGACCAACG
CATAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	SgfI-MluI
ACCN:	NM_001172137
Insert Size:	6165 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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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_001172137.1, NP_001165608.1
RefSeq Size:	6951 bp
RefSeq ORF:	6165 bp
Locus ID:	360570
Cytogenetics:	10q25