

Product datasheet for RN212159

Myo5a (NM_022178) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Myo5a (NM_022178) Rat Untagged Clone
 Tag: Tag Free
 Symbol: Myo5a
 Synonyms: D; Dop; Myh12
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Cell Selection: Neomycin
 Fully Sequenced ORF: >RN212159 representing NM_022178
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGCCGCGTCCGAGCTCTACCAAGTTTGGCAGGGTTGGATCCCTGATCCTGAGGAAGTGTGGAAT
 CGGCAGAGTTGCTCAAGGATTATAAGCCTGGAGATAAAGTGTCTCTGCTTACCTTGAGGAAGGGAAGGA
 TTTGGAATACCGTCTAGATCCAAAGACCAGCGAGCTCCCTCACCTACGGAACCCTGACATACTTGTGGGA
 GAAATGACCTCACAGCCCTCAGCTACCTTACGAGCCTGCTGTGCTGCACAATCTCCGCGTCCGCTTCA
 TCGACTCCAAACTCATTATACGTATTGTGGGATAGTCCTGGTAGCTATAAATCCCTATGAGCAGCTGCC
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CCAATTTTACCTTGTGAGTATCGGCAAGTACTGAGTACTGGCCATTAGATCTATCAGCAGCTTGT
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GTGACAAGAATCTAATGAACAGTGGGGCAAAAGAGACTCTGGAACCTCTTATCCAGGCTGCTCAGCTTTT

GCAAGTGAAAAGAAAAGTACGATGACGCGGAAGCCATCTGCTCCATGTGCAACGCTCTGACCACAGCC
CAGATTGTCAAAGTGTGAATCTGTACACACCCGTTAATGAGTTTGAGGAAAGGGTCTCTGTTTCATTTA
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CTTTCCTGTCACTTCCCTTTAACCCATCCTCCCTGGCCCTAGAAACCATCCAGATCCAGCCAGCCTG
GGCCTGGCTTCATTGCAAGGCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-Mlul
ACCN:	NM_022178
Insert Size:	5487 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:	<ol style="list-style-type: none">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:	<u>NM_022178.1</u> , <u>NP_071514.1</u>
RefSeq Size:	5620 bp
RefSeq ORF:	5487 bp
Locus ID:	25017
UniProt ID:	<u>Q9QYF3</u>
Cytogenetics:	8q24
Gene Summary:	may play a role in secretory granule transport [RGD, Feb 2006]