

Product datasheet for **MC224981**

Myo5a (NM_010864) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Myo5a (NM_010864) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Myo5a
Synonyms:	9630007J19Rik; AI413174; AI661011; d; d-120J; Dbv; flail; flr; MVa; Myo5; MyoVA; Sev-1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC224981 representing NM_010864 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCCGCGTCCGAGCTCTACCCAAGTTTGGCAGGGTTGGATCCCTGATCCTGAGGAAGTGTTGAAAT
CGGCAGAGTTGCTCAAGGATTATAAGCCTGGAGATAAAGTGCTCCTGCTTACCTCGAGGAAGGGAAGGA
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AGATGCCTAAAGGCACAGATGACACATGGGCCAAAACTGTACAACACACATTTGAACAAATGTGCCCT
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GCTACGTGACAAGAACTAATGAACAGTGGGGCCAAGGAGACTCTGGAACCTCTTATCCAGGCCGCTCAG
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 CGGCCAGATTGTCAAAGTGTGAATCTGTACACACCGGTTAATGAGTTTGAAGAAAGGGTCTCAGTTTC
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 GCCTGGGCTGGGCTTCATCGCACGGGCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_010864
- Insert Size:** 5562 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_010864.2](#), [NP_034994.2](#)
- RefSeq Size:** 11684 bp
- RefSeq ORF:** 5562 bp
- Locus ID:** 17918
- UniProt ID:** [Q99104](#)
- Cytogenetics:** 9 42.26 cM
- Gene Summary:** Processive actin-based motor that can move in large steps approximating the 36-nm pseudo-repeat of the actin filament. Involved in melanosome transport. Also mediates the transport of vesicles to the plasma membrane. May also be required for some polarization process involved in dendrite formation.[UniProtKB/Swiss-Prot Function]