

Product datasheet for **RN217370**

Myo19 (NM_001163736) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Myo19 (NM_001163736) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Myo19
Synonyms:	RGD1559961
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN217370 representing NM_001163736
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCACCAGCAGGTGAATGGCCACAGTTTAGGCTCTGATACCCAAGGCAGGACATCCCTCAAGGGCGACC
 TAAGGGAGTTCTGGGTGGGAGGTCCCACTGCACCAGCTGGATGACCTACCAAGGTGAATCCCGTGAC
 ACTGAAACAGTCTGAGGTGCCTGCAGGCCCGGTACACAGAAGACATATTCTATACCAATGCTGGCTGT
 ACCTTGGTAGCTCTGAACCCCTTAAAGCACATCCCTCAACTCTATGCACCAGAAGTATGCAAGAGTACC
 ATGCTGCACCTCAGCCTCAGAAATTAACCCACATCTTACAGTGGGTGAGCAGACCTACAGGAATGT
 CAAGAGCTTGATTGAGCCGATCAACCAATCCATTGGTGCAGTGGAGAGAGCGGAGCAGGAAAGACATGG
 ACATCCCGATGCCTGATGAAGTTCTATGCTGTGGTGGCTGCCTCACCTACTTCTGTGAGAACACAAGA
 TGGCAGAGCGGATTGAAGAGCGGATCCTGAACCTCAACCTGTCATGGAAGCTTTGGGAACGCATGCAC
 ACTGAGGAATAACAACAGCAGTCGCTTTGGGAAGTTCATCCAGCTCCAGCTGAACAGAGCCCAACAGATG
 ACAGGAGCTGCAGTCCAGACCTACTCCTAGAGAAAACCCGTGTGGCCTGTCAAGGCCCGCCAGTGAGAGGA
 ACTTCCACATCTTCTACCAGATTTGCAAAGGAGCCACCAAGGAAGAAAGGCTCCAGTGGTGCCTCCCTGA
 GGGAACTGCCTTCTCCTGGCTACCCAATCCAGAAAGCAGTCTGGAAGAGGATTGTTTCGAGGTGACCAGA
 GAGGCCATGCTCCATCTGGGCATCGACACCCCCACCCAGAACAACATCTTAAAGTCTAGCTGGACTAC
 TGCACCTTGGCAATGTCCACTTCGTTGACTCAGAGGATGAAGCCAGCCCTGCCAAGTATGGTGGTAC
 CAAGGGCTCTGTCAGGACCTCAGCCTTGGTGTGTCAGCTCCCAGACAACATGCTGCTGGAGAGCATGCAG
 ATTCGAACCATCAAGGCAGGCAAGCAGCAGCAGGTGTTCCAGAAGCCCTGCTCCAGAGCTGAGTGTGACA
 CACGCAGAGACTGTCTGGCCAACTGATCTATGCACGGCTATTGACTGGCTGGTATCTGTGATCAACAG
 CAGCATCTGTGCAGACTTCAGCTCATGGACTGCCTTTCATAGGCTGCTAGATGTGTACGGGTTTGAGTCA
 TTTCTGACAACAGTCTGGAACAGTTGTGCATCAATTATGCCAATGAGAAGCTACAGCAGCACTTCGTGG
 CTCACTACCTCAGGGCCAGCAGGAGGAATATGAAGTTGAGGGCCTGGAGTGGTCAATTTGTCAACTACCA
 GGACAACCAGACCTGTTTAGATCTCCTCGAAGGGAGCCCATCAGCATCTGTTCCCTATAAATGAGGAA
 TGCCGCCCTAACCGTCCGAGCAGTGCAGCACAACACAGACACGCATTGAGAGCAGCTGGCAGGCAGGC
 CCTGCCTGGGCCATAACAAGCTCAGCCGGGAGCCAGCTTTGTGGTGTGATTCATTCGAGGACCTGTACG
 GTACTGCACAGCGGGCCTAGTGGAAAAGAACAAGGACCCTGTTCCCTGAGCTGACTGGCTCCTGCAG
 CAATCCCAAGACCCCTGCTCATGATGCTGTTTCTGCTAACCTGAAGAGAAGCCAGGAGGAGCTGT
 CTGGCCAGAGCAGGGCTCCTGCATTGACTGTGGTGTCCAAGTTCAGGCCCTCACTGGAACAGCTCCTGCA
 GGTCTGCATAAAAACAACCCCTACTACATTTCGCTGCATCAAGCCCAACAGCCAGAGTACGCCGAGACT
 TTCTCCAGGAAGAGGTCTGAACCAGTTAGAGGCCTGTGGTCTTGTGGAGACCATCCACATCAGTGTG
 CTGGCTTTCCATCCGGGTCTCTCACCAGAACTCATGGAAGATATAAATTGCTAACAAGACTCCGACC
 TCGTACATCCTCTGGCCTCAGGAGCCTGTGCTGCCAAAGGGTCTCTGAGCAGCCTCTGTGTGCCAAG
 GAGGCCACACTGCAGCCTCTACTACAGGACATTCTCCATGCTCTGCCAGCTTTAATTCAGACAGCAACCA
 CTCCCAGTGACCCAGCTAAGACTGCACAAATCCCACTATACTGTGGCAGGACAAAGATTTTCATGACTGA
 CTCCATGCTAGAGCTTCTGGAATGTGGGCTGCCAGATGCTAGAGCAGTGTGCCGCTGCATCCAGTGT
 GGCTGGAGGCGACACCGCTCCAAAAGCAGGAGAAGCAGAGGCGGGCGGCGGTGATCATTAGGCAGCTT
 TTCGGTCTGGTTAACTCGGAAACACATCAGAAGTTACACATAGCTGCCACAGTCATCAAGCACGCATG
 GCATAAGTGGAGAATCAGAATGGCTGTCTTGCCTCTAAAGAAGTGGATGGTATGGAGGAAAACTCATG
 CCTCAGGCTCCCGGTACCCTGCTTCTCGCTGTCCCCAGCACACACTAGGTTCTGGGAGCAATAATCC
 ACCTCTGGCCCCGGACTGGTGTAGCCAACTCAGCTGATGGCATGCGTGGCTTTCAGAGGAACTGGT
 AGCCCCATGCTGCCTTCGGCTTCCCGCAAGCGGCCCCAGCAACAAAGTCCAGACACCACAACAAGATCAG
 GCTGGTATCACATCCATCAGAGCACTGCCCGAGGCTCAATAAAGTTCCTGCAAGGAACTCCTCACTTC
 AGTATGCTGACATCTGCCCTGACCCTTACGCTCTAATGTTACTGGCTTAAATCAGATTCTGCTGCTAGA
 AAGACACAGGCCAGTCCAAGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001163736
Insert Size:	2895 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:	<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_001163736.1</u> , <u>NP_001157208.1</u>
RefSeq Size:	3841 bp
RefSeq ORF:	2895 bp
Locus ID:	497974
Cytogenetics:	10q26