

Product datasheet for **RN208837**

Myo1g (NM_001134843) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Myo1g (NM_001134843) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Myo1g
Synonyms:	MGC109586
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN208837 representing NM_001134843 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGGATGAAGAAGGTCCTGAGTATGGGAAACCAGACTTTGTGCTTTGGACCAACTAACAATGGAGG
AGTTTATGAAGAACCTACAGCTCAGGTTTGAGAAGGGCCGTATCTATACCTACATTGGCGAGGTGCTGGT
ATCTGTGAACCCCTACCAGGAAGTCCATTGTATGGGCCAGAGGCCATTGCCAAGTACCAGGGCCGTGAG
CTCTATGAGCGACCACCTCATCTTTACGCCGTGGCCAATGCTGCTTACAAGGCAATGAAGCGCAGATCCA
GGGACACCTGCATTGTCTCTCAGGGGAGAGTGGAGCAGGGAAGACGGAAGCCAGCAAGCACATCATGCA
GTACATTGCTGCTGTACCAACCAAGCCAGAGGGCTGAGGTAGAGAGGGTGAAGGACGTTCTTCTCAAG
TCTACCTGTGTGCTGGAAGCCTTTGGCAATGCCCGCACCAACCGCAACCAACTCCAGCCGCTTTGGCA
AGTACATGGACATCAACTTCGACTTCAAGGGGGATCCTGTTGGAGGACACATCCACAGCTACCTGCTAGA
GAAGTCTAGGGTCTCAAGCAGCATGTGGGGGAGAGGAACTTCCATGCTTCTACCAGTTGCTTCGGGGC
AGCGAGGACCAAGAGCTGCAAGAGCTGCATCTGGAGAGAAAATCCCGCTGTGTATAATTTACGCGTCAGG
GAGCTGGGCTCAACATGGGTGCCTTGGGTAGTATGAGAAGAGCCACCAAGGAGTGTGGAGGCCATGAA
GATTATCGGCTTCAGTCCCGAGGAGGTAGAATCCATCCATCGTATCCTAGCCGCCATATTGCACCTGGGA
AACATCGAATTTGTGGAGACAGAGGAAAATGGACCACAGAAAGGAGGCCTGGAAGTGGCAGACGAGGCC
TGGTAGGATATGTGGCCAAGCTGACAGCCACCCCGAGGACCTGTTCTGCGAACCTGCTGGCTCGTAC
AGTGGCTTCAGGGGGCCGAGAGGTCATTGAGAAGAGCCACACTGTGGCTGAGGCCAGCTATGCCCGGAC
GCCTGTGCAAAGGCAATGTACCAGCGACTGTTTGTGGGTTGTGAACAAGATCAACAGCATCATGGAAC
CCCGGACCGGGACCCTCGGCGTGATGGCAAGGACACTGTATTGGGGTCTGGACATCTACGGCTTTGA
AGTATTCCTGTCAACAGCTTTGAGCAGTTCTGTATCAACTACTGCAATGAGAAGCTCCAGCAGCTTTT
ATCCAGCTGATTCTGAAGCAAGAGCAGGAGGATGAGCGAGAAGGCATCACCTGGCAGAGCATCGAGT
ACTTCAACAACGCCACCATTGTGGAACCTGTAGAGCAGCCCCCGAGGCATCCTGGCTGTACTAGATGA
AGCCTGCAGCACGGCAGGCCCATCACTGACCGGATCTTCTGCAGACCTGGACACACACCACCGCCAC



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CACCCACACTATTCCAGCCGCCAGCTTTGCCCTACGGACAAGACCATGGAGTTTGGCCGAGACTTCCAGA
TCAAACACTATGCAGGGGATGTCACGTACTCTGTGGAAGGCTTCATTGACAAGAAATAGAGACTCTCTCT
CCAGGACTTCAAACGGCTGCTGTACAATAGCATGGATCCCACCTTGCAGCCATGTGGCCAGACGGGCAA
CAGGACATCACAGAAGTGACCAAGCGCCCTGACAGCCGGCACACTCTTTAAGAATTCATGATTGCC
TGGTGGAGAACTTGGCCTCCAAGGAGCCCTTCTATGTCCGCTGCATAAAACCAACGAAGACAAGGTACC
CGGAGGACTCGATGAAGCCCACGTGTCGTCACCAGGTCGAGTACCTGGGATTACTGGAGAATGTGAGGGTC
CGCAGGGCTGGCTTTGCTTCCCGCAGCCCTACCCTCGGTTCTGCTCAGTACAAGATGACCTGTGAGT
ACACATGGCCCAACCACCTGCTGGGCTCTGACAGGGAGGCGGTGAGCGCCCTTCTGGAGCAGCATGGCT
ACAAGGGGATGTGGCCTTTGGTCACAGCAAGCTGTTTCATCCGATCCCAAGGACGCTGGTCACTCTGGAG
CAGAGCCGAGCTCACCTGATTCTATCATTGTGTTACTGCTGCAGAAGGCTTGGCGGGGCACCCTGGCCA
GGTGGCGCTGCAGGCGACTGAGGGCCATCTACACCATCATGGGCTGGTTCGGGAGGCACAAAGTACGCGC
TCACCTGATTGAACTACAGCGACGGTTCAGGCTGCACGGCAGCCCCACTCTATGGCCGTGACCTTGTG
TGGCCAACACCACCGCTGTGCTGCAGCCGTTCCAGGATACTTGCCATATTCTCTTCAGCAGGTGGCGGG
CACGGCAGTTAGTGAAGAACATCCCTCCTTCAGACATGACCCAGATCAAGGCCAAGGTGGCTGCTATGGG
GGCCTTGAAGGATTGAGGCAGGACTGGGGCTGCCAGAGGGCCTGGGCCGAGACTACCTGTCTCTGAC
ACTGACAACCCACAGCTTCCCATCTGTTCGCTGAGCAGCTAAAGGCACCTTCGGGAGAAGGATGGCTTCG
GAACCGTGCTTTTCTCCAGCCACGTGCGCAAGGTGAATCGATTCCGCAAGCGCCGGGACCGGGCCCTTCT
GCTCACAGACCGGCATCTCTACAAGCTGGAACCTGGACGACAGTACCGGGTGATGCGGGCTGTGCCTCTG
GATGCGGTGACAGGGCTGAGTGTGACCAGTGGACGGGACCAGCTGGTGGTGTACACGCCCAAGGCCATG
ATGATCTTGTAGTGTCTACACCGTTCACAGCCACCCCTAGACAATCGAATTGGGGAGCTGGTGGGCAT
GCTGGTTTCACACTGCCAGGGGGAGGGACGAACCCTGGAGATCCGTGTCTCTGACTGTATCCCACTGAGC
CAGCGTGGTGGCCGGCGCCTCATTTCCGTAGAGCCAGGCCAGAGCAGACTGAGCCAGATTTCCAATGCA
GCCGAGTACCTTTACCCTCTCTGGCCAAGCCACTGA

AGCGGACCGACGCTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTAA

Restriction Sites:

SgfI-RsrII

ACCN:

NM_001134843

Insert Size:

3048 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_001134843.1, NP_001128315.1

RefSeq Size:

3292 bp

RefSeq ORF:

3048 bp

Locus ID: 289785

Cytogenetics: 14q21