

Product datasheet for RC216720

MYO1H (NM_001101421) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MYO1H (NM_001101421) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	MYO1H
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC216720 representing NM_001101421 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAAGGGGCGCTGACTGCCCGGACAAGGTCGGGGTTCAGGATTTTGTGCTATTGGACGCGTACACCA
GCGAATCTGCCTTTGTGCGAACCTCCGCAAGCGTTTCAGCGAGAACCTCATATACATATATTGGCAC
CCTCCTTGTGTCTGTGAATCCATACCAGGAGCTCGGAATCTACTGTGAGCCAGATGGAACCTTTATCAA
GGGTCAATTTCTTTGAACTGCCACCACATGTCTACGCTATAGCCGACAACGCTTACCGAATGATGTGTG
CTGAACAAATAACCATTTCATCCTCATTCTGGAGAGAGTGGGGCAGGAAAACAGAGGCTCCAAGAA
AATTCTCGAGTATTTGCACTGACCTGCCCAATGACCCAGTCACTACAAATAGCCCGTGACAGACTGCTG
TTCTCCAACCCAGTGCTGGAGGCTTTTGAAAATGCCAGAACGCTCCGGAATGACAACTCCAGCAGATTTG
GGAAATACATGGATATACAATTTGATTTTCAGGGCATTCCCGTAGGTGGGCATATCATCAGTTACTTGAT
AGAGAAGTCCCGAGTTGTCTACCAAAACGAAGGCGAGCGGAATTTCCACATCTTCTACCAGCTGCTGGCA
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TGTCATTGATTTTACTGAAGCTGACCTCGAGAATCTCTTTGGAATTATTGCCAGTGTCTTACACCTGGG
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CAAGAACATTATCCTGAGGGAATGCTTCCTGCTGGCCGAGTTAGAAAACCGGAGGAGGCCCAACAGTG
 GGGACTCAGTTTAAAAACAGTCTGAGCAGCCTTAGAAAACCTCATCTCTAAGGAGCCCTCCTACATCC
 GTTGATCAAGCCCAACGACAGGAAAGAACCCAGCAAATTTGATGACTTCCTCATAAGGCATCAGATCAA
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 AAGTCTATAAAAAATAAAATGGACAATTAACAGTGGTGTGTCAGTCCGGAGGAAGTCC

AGCGGACCGACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC216720 representing NM_001101421
 Red=Cloning site Green=Tags(s)

MEGAL TARDKVGVDVLLDAYTSESAFVDNLRKRFSENLIYTYIGTLLVSVNPYQELGIYTVSQMELYQ
 GVNFFELPPHYAIADNAYRMMCAELNNHFILISGESGAGKTEASKKILEYFAVTCPMTQSLQIARDRL
 FSNPVLEAFGNARTLRNDNSRFKYMIDIQDFQGIPIVGGHIIISYLIEKSRVYQNEGERNFHIFYQLLA
 GGEERLSYLGLEDPQLYKYL SQGHCAKESSISDKNDWKTVSNAFSVIDFTEADLENLFGIIASVLHLG
 NIGFEEDDQGCATIPDTHEIKWIAKLLGVHPSVLLLEALTHRKIEAKTEEVICPLTLELSVYARDAMAKAV
 YGRTFTWLVNKNINSSLVNDKDFTRKTVIGLLDIYGFVFDKNGFEQFCINYCNEKLQQLLIERTLKAQAE
 YEMEGIEWEPIKYFNKIIICDLVEERHKGIIISILDEECIRPGPATDL SFLEKLEEKVKGHAHFETRKL
 PKGRKRIGWMEFRLHYAGEVTYCTKGFLEKNNDLLYRHLKEVLCKSKNIILRECFLLAELENRRRPPTV
 GTQFKNSLSSLETLISKEPSYIRCIKPNDRKEPSKFDLIRHQIKYLGMEHLRVRRAFAYRRKYEH
 FLQRYKSLCPDTWPHWHGPPAEGVERLIKYIGYKPEEYKLGKTKIFIRFPRTL FATEDAFEF SKHQLVAR
 IQATYKRCLGRREYVKKRQAAIKLEAHWRGALARKAIQRRKWAVRIIRKFIKGFISRNPPLCPDNEEFIV
 FVRKNYILNLRHYLPKTVL DKSWL RPPGILENASDLLRKMVNRNLVQKYCRGITAEKAMMQQKVVTSEI
 FRGRKDGYTESLNQPFVNSRIDEGDINPKVLQLISHEKIYGVPIKYDRKGFKARQRLILTQKAAVYV
 ELAKIKQKIEYSALKGVSTSNLSDGILVIHVSPEDSKQKGDVAVLQCGHVFEAVTKLVMLVKKENIVNVVQ
 GSLQFFISPGKEGTIVFDTGLEEQVYKKNKNGQLTVVSVRRKS

SGPTRRRLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk8018_d05.zip

Restriction Sites:

Sgfl-RsrII

Cloning Scheme:


ACCN: NM_001101421

ORF Size: 3066 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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.

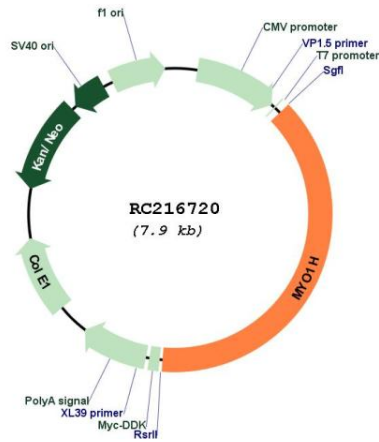
RefSeq: [NM_001101421.3](#), [NP_001094891.3](#)

RefSeq Size: 3807 bp

RefSeq ORF: 3069 bp

Locus ID: 283446
 Cytogenetics: 12q24.11
 MW: 117.8 kDa

Product images:



Circular map for RC216720