

Product datasheet for **SC304632**

MYO5C (NM_018728) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MYO5C (NM_018728) Human Untagged Clone
Tag:	Tag Free
Symbol:	MYO5C
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_018728, the custom clone sequence may differ by one or more nucleotides

ATGGCGGTGGCCGAGCTGTACACGAGTACAACAGGGTCTGGATTCCCGATCCTGAAGAAGTTTGAAGT
CTGCTGAAATAGCCAAGGACTACAGAGTTGGTGACAAGGTCCTGCGACTCCTGCTGGAGGATGGAACGGA
GCTGGATTATTCTGTCAATCCAGAATCTCTGCCTCCACTTCGGAATCCTGACATCCTCGTGGGCGAGAAT
GACCTCACGGCTCTCAGTATCTTCACGAGCCCGGCTGCTCCACAACCTCAGAATCCGCTTTCAGAAT
CCAAACTCATTTACCTACAGTGAATCATTTTGGTGGCCATGAATCCTTACAAGCAGTTGCCAATATA
CGGAGATGCCATCATCCACGCCACAGCGGGCAGAACATGGGCGATATGGACCCACACATATTTGCCGTG
GCAGAAGAGGCATACAAGCAGATGGCCAGAAACAACAGAAACAGTCCATAATTGTAAGTGGGAGTCAG
GTGCTGGAAGACAGTGTGCGCTCGCTATGCCATGAGGTACTTTGCCACCGTCAGCAAAATCGGGCAGCAA
CGCTCACGTGGAAGACAAGTCTTGGCATCCAATCCCATCACCGAGGCCGTTGGAATGCCAAGACCACC
CGCAATGACAATAGTAGTCGGTTTGGGAAATACACAGAAATCAGTTTGTATGAACAAAATCAAATTATAG
GAGCCAACATGAGCACTTACCTCCTGGAGAAATCCAGAGTTGTCTTCAATCGGAAAATGAACGAAATTA
CCACATTTTCTATCAGCTTTGTGCATCTGCACAGCAGTCGGAATTTAAACATCTTAAATTGGGGAGTGCC
GAAGAATTTAATTATACAAGAATGGGAGGCAATACTGTCATTGAGGTGTGAATGATCGAGCTGAAATGG
TAGAGACTCAAAAGACCTTCACGCTTCTGGGTTTCAAGGAGGATTTTCAGATGGACGTTTTTAAATCCT
GGCAGCCATCCTACATCTGGGCAATGTGCAGATCACCGCGTGGGCAACGAGAGGTCCTCAGTTAGTGAG
GATGACAGTCACCTGAAGGTGTTCTGTGAGCTCCTGGGCTGGAGAGTGGCAGAGTTGCTCAGTGGCTGT
GCAATCGCAAAATCGTCACAAGCTCTGAGACGGTGGTAAAACCCATGACCAGGCCTCAGGCTGTCAACGC
CAGGGATGCACTGGCCAAAAAGATCTATGCTCACCTGTTTCGACTTCATTGTGGAGAGAATTAACCAAGCG
TTGCAGTTTTCAGGCAAGCAGCACATTTTATTGGTGTGGACATTTATGGTTTTGAAACCTTTGATG
TGAACAGCTTTGAACAATTTTGCATCAATTACGCTAATGAAAACTGCAACAACAGTTTAACATGCATGT
CTTCAAAGTGAACAAGAAGATACATGAAGGAAGATATACCTTGGACGCTGATAGATTTTATGACAAT
CAACAGTTATTGACCTGATTGAAGCAAAATGGGAATTTCTGGAGTTACTGGATGAAGAATGTTTGTAC
CACATGGAAGTATGAAACTGGCTTCAAAAGCTGTATAATAATTTTGTCAACAGGAACCTTTGTTTGA
AAAGCCTAGAATGTCAACACATCTTTTGTATCCAGCACTTTGCTGATAAGGTAGAGTATAAATGTGAA
GGTTTCTGGAGAAAAACAGAGACACCGTCTATGACATGCTGGTTGAAATCCTGAGAGCAAGCAAGTTTC



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ATCTCTGTGCCAACTTTTTCAAGAAAATCCAACCTCCTCCTTCTCCTTTGGTTCAATGATTACAGTTAA
 ATCTGCAAAGCAAGTCATCAAGCCAAACAGCAAGCATTTCGGACCACAGTTGGGAGCAAGTTCCGCAGC
 TCTCTGTACTTGCTCATGGAGACCCTCAATGCGACGACGCCCCACTACGTTTCGATGCATCAAGCCAAATG
 ATGAGAAGTTACCTTTGAATTTGACTCCAAAAGAATTGTTTCAGCAGCTGCGAGCCTGCGGCGTTTTAGA
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 GAGAAGCTGAAGAGTTAAAGAAAAAATGGACAACCTCACCAAGCAGCTCTTTGATGATGTACAAAAGG
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 CACGTCACTTCTGATGGCTTGAAGGCGGAAGTGGCCCGCTGAGCAAGCAGGTCAAGACAATCTCTGAGT
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 AGCAGGCTCTCTGTGGAAGATCTGGAACATTTAAATGAGGATGGAGAAGCTTTGGTTTGCTTATGAAGGAC
 TAAAGAAAGCAACACGTGTTTTGGAGAGCCATTTCCAGTCTCAGAAGGATTGCTATGAAAAGGAGATTGA
 AGCTTTGAAGTTCAAAGTGGTGCATCTCAGTCAAGAAATCAACCACCTGCAGAAGTTATTCAGAGAAGAA
 AATGACATCAATGAAAGCATCCGTATGAAGTTACCAGGCTAACATCAGAGAACATGATGATCCCAGACT
 TTAAACAGCAAATTTCAGAATTGGAGAAACAGAAGCAAGATCTTGAAATCCGCCTGAATGAACAAGCTGA
 GAAATGAAAGGAAAAGCTAGAAGAATTGTCTAATCAGTTACATCGCAGTCAAGAGGAGGAAGGAACACAA
 AGAAAGGCCTTGGAAGCCCAAAATGAAATACATACCAAGAGAAGGAGAAGCTGATTGATAAGATTCAAG
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 GCAGGAAGCATCCCGGCTCACTTTGGAAGAACAGGGATCTTGAAGAAGAATTAGACATGAAAGACAGAGTG
 ATTAAGAAAGCTACAAGATCAAGTCAAGACACTAAGCAAGACAATTGGAAGGCAATGATGTGCACTCGT
 CCTCAGGACCCAAGGAGTACCTTGAATGCTGCAATACAAGAGAGAAGACGAGGCCAAGCTCATTAGAA
 CCTCATTTCTGACTTGAAGCCCCGTGGCGTGGTGGTGAACATGATCCCCGGGCTGCCGGCTCATATCCTG
 TTCATGTGTGTGCGCTACGCAGACTCTCTGAATGATGCCAACATGCTGAAGTCCCTCATGAACAGACCA
 TTAATGGCATCAAGCAGGTGGTTAAGGAACATTTAGAAGACTTTGAAATGCTGTCTTTTGGCTTTCCAA
 CACTTGTCAATTTCTCAATTGCCTGAAGCAGTACAGCGGAGAAGAGGAATTCATGAAGCATAATAGTCCA
 CAGCAGAATAAGAATTGCTTGAACAATTTGACCTTTCAGAATACAGACAGATTCTCAGTGATGTGGCTA
 TACGAATATATCATCAATTTATTATCATAATGGAAGAAATATCCAACCGATAATAGTTCCGGGAATGCT
 GGAGTATGAGAGCCTGCAGGGCATTTCGGCCTGAAGCCACAGGCTTCCGGAAGCGCTCCTCTAGCATA
 GACGACACGGACGGCTACACCATGACCTCCGTCTGCAACAGCTGAGCTACTTTTACACCACCATGTGCC
 AGAACGGCCTGGACCCGAGCTTGTGAGGCAGGCGGTGAAGCAGCTCTTCTTCTTGATCGGGGCGGTAC
 GCTGAACAGCCTCTTCTGCGCAAGGACATGTGCTCCTGCAGAAAAGGGATGCAGATCAGGTGCAATATC
 AGCTACTTAGAAGAATGGCTTAAAGATAAGAACTTGCAAGACAGCTTAGCAAAGGAACTTTGGAGCCCC
 TCTCTCAGGCAGCCTGGTTGCTTCAGGTCAAGAAGACCACAGACAGTGATGCCAAGGAGATCTACGAACG
 CTGCACCTCACTGTCTGTGTGCAGATCATAAAGATCCTTAATTCATACACCTATAGATGACTTTGAG
 AAGAGAGTGACTCCATCCTTTGTTTCGAAAGTACAGGCTCTCCTAAATAGCCGGGAGGATTTCATCAGC
 TGATGTTGGATACCAATATCTCTTTCAAGTCACATTTCTTTTACCCCTCTCCACATGCTCTGGAAT
 GATTTCAGATCCCCAGCAGTTTCAAGCTAGGCTTTCTGAATAGGTTATAG

Restriction Sites:	Please inquire
ACCN:	NM_018728
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:	The open reading frame of this TrueClone was fully sequenced and found to be a perfect match to the protein associated to this reference.
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:	<u>NM_018728.1</u> , <u>NP_061198.1</u>
RefSeq Size:	6975 bp
RefSeq ORF:	6975 bp
Locus ID:	55930
UniProt ID:	<u>Q9NQX4</u>
Cytogenetics:	15q21.2
Gene Summary:	May be involved in transferrin trafficking. Likely to power actin-based membrane trafficking in many physiologically crucial tissues.[UniProtKB/Swiss-Prot Function]