

Product datasheet for **SC304396**

MYO15A (NM_016239) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MYO15A (NM_016239) Human Untagged Clone
Tag:	Tag Free
Symbol:	MYO15A
Synonyms:	DFNB3; MYO15
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_016239, the custom clone sequence may differ by one or more nucleotides <pre> ATGGCGAAGGAGGAAGATGAGGAGAAGAAAGCCAAGAAAGGGAAGAAGGGGAAGAAGGCA CCGGAGCCGAGAGAAGCCCAAACGGAGCCTGAAGGGGACGTCGCGGCTGTTTCATGGGCTTC CGCGACCGGTACACCAAGATCTCCAAGAAGGGCCAGTTCCGCAGCGCCTCGGCCTTCTTC TGGGGCTCCACACCGGCCCCCAGAAGACCAAGCGCAAGAGGAAGGCCCGCACCGTGCTC AAGTCCACGTCAAAGCTCATGACGAGATGCGCATGGGCAAGAAGAAGCGGGCGATGAAG GGCAAGAAGCCGTCCTTCATGGTGATCCGCTTCCAGGCCGCGTGGCTACGGCCGCTG CGGCCGCGCGCCGGTCACTCAGCAAAGCGTCCACGGCCATCAACTGGCTCACAAAAAG TTCCTCCTCAAGAAGGCCGAGGAGTCGGGCAGCGAACAGGCCACAGTGGACGCCTGGCTG CAGCGCTCGAGTCCCGCATGGGCTCCCGCAAACCTCCCTTCCCGTGGGTGCCGAGATC CTGCGGCTGGGGGCCGGCTCCGGAGGTTCCCCCGCAGCCGAGCATCTACGCGTCAGGC GAGCCCCCTGGGCTTCTGCCCTTCGAGGACGAGGCCCCATTCCATCACTCGGGTCCCCG AAGTCGCTGTACGGGCTTGAGGGCTTCCAGGACCTGGGCGAGTATTATGACTATCACCGC GACGGCGAGCACTACTACGACCGGACGTCACCTACCGCTACGAGGAGCAGGAACCCTAC CTGGCGGGCCTCGGCCCCACAGCCCGGCTGGCCACCCTACGGCGACCACTACTACGGG TACCCGCGGAGGATCCCTACGACTACTACCACCCGACTATTACGGTGGCCCCCTTGAT CCGGGGTACACCTACGGCTACGGCTACGACGATTACGAACCCCATATGCGCCCCCGTCG GGTACTCGTCTCCTTACAGCTACCACGATGGGTACGAGGGCGAGGCGCACCCCTTATGGC TACTACCTGGATCCCTATGCGCCGTACGACGCGCCATACCCACCCTATGACCTCCCATAC CACACTCCCTACGATGTACCCTACTTTGATCCCTACGGAGTCCACTACACCGTCCCTAT GCCGAAGGCGTCTATGGCGGTGGGACGAGGCCATCTACCCCCCGAGGTGCCCTATTTT TACCCGGAGGAGTCGGCTTCGGCCTTTGTGTACCCCTGGGTACCACCGCCCATCCCGTCG CCCCACAACCCGTATGCCACGCCATGGATGACATCGCCGAGCTGGAGGAACAGAGGAC GCGGGCGTAGAGCGTCAGGGGACCTCCTCCGCCTGCCAGCGCCGCTTCTTCGAGCAG CAAGGCATGGATAAGCCCGCCAGGTCCAAGCTGTCCCTCATCCGAAGTCCGCTCTTC CCGCGACCCAGGTGAAGCTGTTTGGGAAGGAGAAGCTGGAGGTGCCCTGCCACCTCT CTGGACATTCTCTCCCTTGGGGGATGCGGACGAAGAAGAGGACGAGGAGGAGTGCC CCGTTTCCGCTGTGCCCTACGGCCACCCTTTCTGGGGCTTCTCACGCCGCGCCAGCGC AACCTCCAGCGCGCGCTGTGGCCTTCGGCGCCACCGGGGCCTGGGCTTCGGCCCTGAG TTTGGCCGCCCGTGCTCGCCCTGCCACCTCGCTTGCAGGTTCTCAAGAAGACGCTG </pre>



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 ACATTGCCCCCAGCGAGATCACCTGCTCTGA

Restriction Sites:

Please inquire

ACCN:

NM_016239

OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery. 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:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_016239.2 , NP_057323.2
RefSeq Size:	11876 bp
RefSeq ORF:	10593 bp
Locus ID:	51168
UniProt ID:	Q9UKN7
Cytogenetics:	17p11.2
Gene Summary:	This gene encodes an unconventional myosin. This protein differs from other myosins in that it has a long N-terminal extension preceding the conserved motor domain. Studies in mice suggest that this protein is necessary for actin organization in the hair cells of the cochlea. Mutations in this gene have been associated with profound, congenital, neurosensory, nonsyndromal deafness. This gene is located within the Smith-Magenis syndrome region on chromosome 17. Read-through transcripts containing an upstream gene and this gene have been identified, but they are not thought to encode a fusion protein. Several alternatively spliced transcript variants have been described, but their full length sequences have not been determined. [provided by RefSeq, Jul 2008]