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Product datasheet for SC330351

MYO1A (NM_001256041) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MYO1A (NM_001256041) Human Untagged Clone
Tag:	Tag Free
Symbol:	MYO1A
Synonyms:	BBMI; DFNA48; MIHC; MYHL
Vector:	pCMV6-Entry (PS100001)

View online »

Fully Sequenced ORF:

>SC330351 representing NM_001256041.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

ATGCCTCTCCTGGAAGGTTCTGTGGGGGTGGAGGATCTTGTCCTCCTGGAACCCTTGGTGGAGGAGTCA
CTGCTCAAGAATCTTCAGCTTCGCTATGAAAACAAGGAGATTTATACCTACATTGGGAATGTGGTGATC
TCAGTGAATCCCTATCAACAGCTTCCCATCTATGGGCCAGAGTTCATTGCCAAATATCAAGACTATACT
TTCTATGAGCTGAAGCCCCATATCTACGCATTGGCAAATGTGGCGTACCAGTCACTGAGGGACAGGGAC
CGAGACCAGTGTATCCTCATCACAGGCGAGAGTGGATCAGGGAAGACTGAGGCCAGCAAGCTGGTGATG
TCTTATGTGGCTGCCGTCTGTGGGAAAGGAGAGCAGGTGAACTCTGTGAAGGAGCAGCTGCTACAGTCT
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CGGGCAGGCTATGCCCACCGCCAGGGTTATGGGCCCTTCCTGGAAAGGTACCGATTGCTGAGCCGGAGC
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ATGGTACAGAAATTCCTACTGGGGCTGAAGAACAATTTGCCATCCACAAACGTCTTAGACAAGACATGG
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GAACTGTTCAAGGGCAAGAAGGCTTCATATCCCCAGAGTGTCCCCATTCCATTCTGTGGTGACTACATT
GGGCTGCAAGGGAACCCCAAGCTGCAGAAGCTGAAAGGCGGGGAGGAGGGGCCTGTTCTGATGGCAGAG
GCCGTGAAGAAGGTCAATCGTGGCAATGGCAAGACTTCTTCTCGGATTCTCCTCCTGACCAAGGGCCAT
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TCAGTCACCAGCCTCAAGGATGGGCTCTTTAGCTTGCATCTGAGTGAGATGTCATCGGTGGGCTCCAAG
GGGGACTTCCTGCTGGTCAGCGAGCATGTGATTGAACTGCTGACCAAAATGTACCGGGCTGTGCTGGAT
GCCACGCAGAGGCAGCTTACAGTCACCGTGACTGAGAAGTTCTCAGTGAGGTTCAAGGAGAACAGTGTG
GCTGTCAAGGTCGTCCAGGGCCCTGCAGGTGGTGACAACAGCAAGCTACGCTACAAAAAAAAGGGGAGT
CATTGCTTGGAGGTGACTGTGCAGTGA

Restriction Sites: SgfI-MluI

ACCN:	NM_001256041
Insert Size:	3132 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_001256041.1
RefSeq Size:	3658 bp
RefSeq ORF:	3132 bp
Locus ID:	4640
UniProt ID:	Q9UBC5
Cytogenetics:	12q13.3
MW:	118.4 kDa
Gene Summary:	This gene encodes a member of the myosin superfamily. The protein represents an unconventional myosin; it should not be confused with the conventional skeletal muscle myosin-1 (MYH1). Unconventional myosins contain the basic domains characteristic of conventional myosins and are further distinguished from class members by their tail domains. They function as actin-based molecular motors. Mutations in this gene have been associated with autosomal dominant deafness. Alternatively spliced variants have been found for this gene. [provided by RefSeq, Dec 2011] Transcript Variant: This variant (1) represents the longer transcript. Both variants 1 and 2 encode the same protein.