

Product datasheet for **SC214334**

myosin heavy chain 9 (MYH9) (NM_002473) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	myosin heavy chain 9 (MYH9) (NM_002473) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	MYH9
Synonyms:	BDPLT6; DFNA17; EPSTS; FTNS; MATINS; MHA; NMHC-II-A; NMMHC-IIA; NMMHCA
ACCN:	NM_002473
Insert Size:	1418 bp



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Insert Sequence: >SC214334 3'UTR clone of NM_002473
 The sequence shown below is from the reference sequence of NM_002473. The complete sequence of this clone may contain minor differences, such as SNPs.
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
GATGGGGCTGAGGCCAAACCTGCCGAATAGCCTCTTCTCCTGCAGCCTGAGATGGATGGACAGACAGA
CACCACAGCCTCCCTTCCAGACCCCGCAGCAGCCTCTCCCCACCTTCTTGGGACTGCTGTGAACAT
GCCTCCTCCTGCCCTCCGCCCGTCCCCCATCCCGTTTCCCTCCAGGTGTTGTTGAGGGCATTGGCT
TCCTCTGCTGCATCCCCTCCAGCTCCCTCCCCTGCTCAGAATCTGATACCAAAGAGACAGGGCCCGGG
CCCAGGCAGAGAGCGACCAGCAGGCTCCTCAGCCCTCTCTTGCCAAAAAGCACAAGATGTTGAGGCGAG
CAGGGCAGGCCCGGGAGGGGCCAGAGTTTTCTATGAATCTATTTTTTCTTCCAGACTGAGGCTTTTG
GTAGTCGGAGCCCCGAGTCGTCAGCCTCCCTGACGTCTGCCACCAGCGCCCCACTCCTCCTCCTTT
CTTTGCTGTTTGAATCACACGTGGTGACCTCACACACCTCTGCCCTTGGGCCTCCCCTCCCATGGC
TCTGGGGCGTCCAGAAGGAGCAGGCCCTGGGCCTCCACCTCTGTGCAGGGCACAGAAGGCTGGGGTGGG
GGGAGGAGTGATTCTCCACACCTGTCCCAGGCAGCGCCACTGTCCGCTGTCTCCCTCCTGATTCTA
AAATGTCTCAAGTGCAATGCCCCCTCCCCTCCTTACCGAGGACAGCCTGCCTCTGCCACAGCAAGGCT
GTCGGGGTCAAGTGGAAAGGCCAGCAGCCTTCCAGTGGCTTCTCCCAACTCTTGGGGACCAATAT
ATTTAATGGTTAAGGGACTTGTCCCAAGTCTGACAGCCAGAGCGTTAGAGGGGCCAGCGGCCCTCCCAG
GCGATCTGTGTCTACTTAGGACTGGGCCGAGGGTGGTTTACCTGCACCGTTGACTCAGTATAGTTT
AAAAATCTGCCACCTGCACAGGTATTTTTGAAAGCAAAATAAGGTTTTCTTTTTTCCCCTTCTTGTA
TAAATGATAAAATCCGAGTCTTCTCACTGCCTTTGTTTGAAGAGAGTAGCTCGTCTCACTGGTCT
ACACTGGTTGCCGAATTTACTTGTATTCTTAAGTGTGTTTGTATATGCTGCATTGAGACTTACGGCAAGA
AGGCATTTTTTTTTTAAAGGAAACAACTCTCAAATCATGAAGTGATATAAAAGCTGCATATGCCTA
CAAAGCTCTGAATTCAGGTCCCAGTTGCTGTCACAAAGGAGTGAGTGAACTCCCACCCTACCCCTTT
TTTATATAATAAAAGTGCCTTAGCATGTGTTGCAGCTGTACCCTACAGTAAGCTGGTTTACAGATGT
TTTCCACTGAGCATCACAATAAAGAGAACCATGTGCTA
ACGCGTAAGCGGCCGCGCATCTAGATTCAAGAAAATGACCGACCAAGCGACGCCCAACTGCCATCA
CGAGATTTGATTCCACCGCCCTTCTATGAAAGG
  
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Restriction Sites: SgfI-MluI

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).

Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq: [NM_002473.6](#)

Summary: This gene encodes a conventional non-muscle myosin; this protein should not be confused with the unconventional myosin-9a or 9b (MYO9A or MYO9B). The encoded protein is a myosin IIA heavy chain that contains an IQ domain and a myosin head-like domain which is involved in several important functions, including cytokinesis, cell motility and maintenance of cell shape. Defects in this gene have been associated with non-syndromic sensorineural deafness autosomal dominant type 17, Epstein syndrome, Alport syndrome with macrothrombocytopenia, Sebastian syndrome, Fechtner syndrome and macrothrombocytopenia with progressive sensorineural deafness. [provided by RefSeq, Dec 2011]

Locus ID: 4627

MW: 52.1