

Product datasheet for **SC119996**

MTM1 (NM_000252) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MTM1 (NM_000252) Human Untagged Clone
Tag:	Tag Free
Symbol:	MTM1
Synonyms:	CNM; MTMX; XLMTM
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_000252, the custom clone sequence may differ by one or more nucleotides

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ATGGCTTCTGCATCAACTTCTAAATATAATTCACACTCCTTGGAGAATGAGTCTATTAAGAGGACGTCTC
GAGATGGAGTCAATCGAGATCTCACTGAGGCTGTTCTCGACTTCCAGGAGAAACACTAATCACTGACAA
AGAAGTTATTTACATATGTCCTTTCAATGGCCCCATTAAGGGAAGAGTTACATCACAAATTATCGTCTT
TATTTAAGAAGTTTGGAAACGGATTCTTCTCTAATACTTGATGTTCTCTGGGTGTGATCTCGAGAATTG
AAAAAATGGGAGGCGCGACAAGTAGAGGAGAAAATTCCTATGGTCTAGATATTACTTGTAAGACATGAG
AAACCTGAGGTTTCGCTTTGAAACAGGAAGGCCACAGCAGAAGAGATATGTTTGAGATCCTCACGAGATAC
GCGTTTCCCTGGCTCACAGTCTGCCATTATTTGCATTTTTAAATGAAGAAAAGTTAACGTGGATGGAT
GGACAGTTTACAATCCAGTGAAGAATACAGGAGGCAGGGCTTGCCCAATCACCATTGGAGAATAACTTT
TATTAATAAGTGCTATGAGCTCTGTGACACTTACCCTGCTCTTTTGGTGGTTCGATCGTGCCTCAGAT
GATGACCTCCGGAGAGTTGCAACTTTTAGGTCCCAGAAATCGAATCCAGTGTGATGATGATGATGATGATG
AAAATAAGACGGTCAATTGTGCGTTGCAGTCAGCCTCTTGTGCGTATGAGTGGGAAACGAAATAAAGATGA
TGAGAAATATCTCGATGTTATCAGGGAGACTAATAACAAATTTCTAAACTCACCATTTATGATGCAAGA
CCCAGCGTAAATGCAGTGGCCAACAAGGCAACAGGAGGAGGATATGAAAGTGATGATGATGATGATGATGATG
CCGAACTTTTCTTTAGACATTCATAATTCATGTTATGCGGGAATCTTTAAAAAAGTGAAGGACAT
TGTTTTATCCTAATGTAGAAGAATCTCATTGGTTGTCCAGTTTGGAGTCTACTCATTGGTTAGAACATATC
AAGCTCGTTTTGACAGGAGCCATTCAAGTAGCAGACAAAGTTTCTTCAGGGAAGAGTTTCAGTGTCTGTGC
ATTGCAGTGACGGATGGGACAGGACTGCTCAGTGCATCCTTGCCATGCTGATGTTGGATAGCTTCTA
TAGGAGCATTGAAGGTTTCGAAATACTGGTACAAAAAGAATGGATAAGTTTTGGACATAAATTTGCATCT
CGAATAGGTCATGGTGATAAAAAACCACCCGATGCTGACCGTTCTCCTATTTTTCTCCAGTTTATTGATT
GTGTGTGGCAAAATGTCAAACAGTTCCCTACAGCTTTTGAATTCATGAACAATTTTTGATTATAATTTT
GGATCATCTGTATAGTTGCCGATTTGGTACTTTCTTATCAACTGTGAATCTGCTCGAGAAAGACAGAAG
GTTACAGAAAGGACTGTTTCTTTATGGTCACTGATAAACAGTAATAAAGAAAAATTCAAAAACCCCTTCT
ATACTAAAGAAATCAATCGAGTTTTATATCCAGTTGCCAGTATGCGTCACTTGGAACTCTGGGTGAATTA
CTACATTAGATGGAACCCAGGATCAAGCAACAACAGCCGAATCCAGTGGAGCAGCGTTACATGGAGCTC
TTAGCCTTACGCGACGAATACATAAAGCGGCTTGAGGAACTGCAGCTCGCCAACCTGCCAAGCTTTCTG
ATCCCCAACCTCACCTCCAGTCTTCGCAAATGATGCCCATGTGCAAACTCACTTCTGA
    
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_000252 unedited

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AGTCCGAGATTTNGAAATCACGACTTCTGATNAGGGCGGCACGCGCAATTCGGCAGCA
GGCTCACGGCTGGCTGGCTCGGAGCCGGGCACTGCGGGGACCCGTGAGTTTCCAGGATG
GCTTCTGCATCAACTTCTAAATATAATTCACACTCCTTGGAGAATGAGTCTATTAAGAGG
ACGTCTCGAGATGGAGTCAATCGAGATCTCACTGAGGCTGTTCTCGACTTCCAGGAGAA
ACACTAATCACTGACAAAGAAGTTATTTACATATGTCCTTTCAATGGCCCCATTAAGGGA
AGAGTTTACATCACAAATTATCGTCTTTATTTAAGAAGTTTGGAAACGGATTCTTCTCTA
ATACTTGATGTTCTCTGGTGTGATCTCGAGAATTGAAAAAATGGGAGGCGCGACAAGT
AGAGGAGAAAAATCCTATGGTCTAGATATTACTTGTAAGACATGAGAAACCTGAGGTTT
GCTTTGAAACAGGAAGGCCACAGCAGAAGAGATATGTTTGAGATCCTCACGAGATACGCG
TTTCCCTGGCTCACAGTCTGCCATTATTTGCATTTTTAAATGAAGAAAGTTTAACTG
GATGGATGGACAGTTTACAATCCAGTGAAGAATACAGGAGGCAGGGCTTGCCCAATCAC
CATTGGAGAATAACTTTTATTAATAAGTGCTATGAGCTCTGTGACACTTACCCTGCTCTT
TTGGTGGTTCCGTATCGTGCCTCAGATGATGACCTCCGGAGAGTTGCNNACTTTAGTCCC
GAAATCGAATTCAGTGTGTCATGGATTATCCAGAAAATAAGACGGTCAATTGTGCGTTG
CAGTCAGCCCTCTGTCGGTTTGGTGGGAAACGAATTAAGATGATGAGGAAATCTCGAT
GTATCAGGGAGACTAATAACAAATT
    
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Gene Summary:

This gene encodes a dual-specificity phosphatase that acts on both phosphotyrosine and phosphoserine. It is required for muscle cell differentiation and mutations in this gene have been identified as being responsible for X-linked myotubular myopathy. [provided by RefSeq, Jul 2008]