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Product datasheet for SC107415

MAMSTR (NM_182574) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MAMSTR (NM_182574) Human Untagged Clone
Tag:	Tag Free
Symbol:	MAMSTR
Synonyms:	MASTR
Mammalian Cell Selection:	None
Vector:	pCMV6-XL4
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF:

>OriGene ORF within SC107415 sequence for NM_182574 edited (data generated by NextGen Sequencing)

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ATGCCCCCAGAGCCGAGACAGGGATCCAGGGCGGACCCCCAAGCCGAGGGGTCCGCCCTG
GGTCCTCCTGGGCCATCTCTGTGGGAAGGGACAGACTCGCAGCAGCCACATCCTAGGATG
AAGCCCTCTCCCCTCACTCCCTGCCCACCAGGAGTCCCTAGCCCCTCGCCCCCCCCACAC
AAGTTGGAACTTCAGACCCTTAAACTGGAGGAGCTGACGGTCTCAGAGCTCCGGCAGCAG
CTGCGCCTGCGGGGCCTCCCAGTGTCGGGGACCAAGTCTATGCTCCTGGAGCGCATGCGC
GGCGGCGCGCCGCCCCGCGAGCGGCCGAAGCCGCGGCGCGAGGACAGTCCCGCGGGTGCT
CCCTGGCCGCGCCTCAAGCCCAAGGCCCTGGCAGCCGCCCGGCGTCAGGGCTCGGTCAAG
CCCAGCGCAGCATCTCACAGGCCACCTCTTCCACGCGCCGCGGATACCCCGGGGACGGCT
CCGGCTCCAACTCCCACTCCGGCTCCTGCTGCAGCTCCAGCCCTGACCCCTTCCTCAGGG
CCGGGCTCAGCGGCTCTGACTCTGGAGGAGGAGCTGCAGGAAGCGATCCGGAGGGCGCAG
TTGCTTCCTAACCGGGGCATCGATGACATCCTGGAGGATCAGGTGGAGCCTGATGACCCC
CTGCCCCCTATTCCCCTGGACTTCCCTGGCTCCTTCGACGTGCTGTCCCCCTCCCCGGAC
TCTGAAGGCCTCTCATCTGTTTTCTCCTCTTCACTCCCGTCTCCCACGAACTCCTCCTCC
CCTTCTCCCAGGGACCCCACGGACTCCCTGGACTGGCTGGAGGCCCTGAGCGGGGGTCCT
CCTCTGGGTTCTGGTCCCCCACCCCCCAGCATCTTCTCCGCTGACTTATCTGACTCCAGC
AGCAGCCGGCTGTGGGACCTGCTGGAGGATCCATGGTGA

Clone variation with respect to NM_182574.2
456 t=>c
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View online »

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_182574 unedited
GCACCAGGTCCTTCACCGTCTCTCCAGTCTCGGATCCGGACCCGTGGATCTCAGCCTCAG
ACCCTCCTCTGGCCCCGGCCTTGCCCTCGGGCACGGCCCCTTTCCTCTTCAGCCCTGGGG
TCCTGCTCCCCGAGCCAGAATATTGTCCTCCTTGGAGGTCCCCAAAGAAGGAGTCTCCCA
AGATCTCCCAACGTTGGAGGGAGTCCAAGCCCAGGGGGAACTTGACATACCACCAGTACA
TGCCCCCAGAGCCGAGACAGGGATCCAGGGCGGN

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_182574 unedited
TTTAACGTTTGACAATACCGCGCCGCAATCTANGATCGGTTTTTTTTTTTTTTTTTAAT
AAATGACTGGCATTTATATCTTGTCTCAGGCTCTGCTTCCAAAAGAAGCTGATCTTAGAC
CTGATGCTTCTAATTTTTTCATCTCCAACCAGAACCCAGGGAGGTCAGGGTCCGGCTCCC
CCATTCTCCCTCTCCACTCTTTCTTGCTCCTCTCCTGCATCCAAAAGGCATAACCACCTT
CCAGGCTCCCCAAACAACAGGGAGCCATCTACCGGGGTCCGGGGCATGTAAGAACATCCA
TGAGGTCTCTGAAGGAAGCAGCAAGCAGCTTGTTTGCCGTGGCCAGCAGCAAAAGAAGCC
CCCCAACCATACCACGCCGGAGGGGGATCATAAGGAGGCCAGGTAGGCAAAGTTAAGGCA
GTTGCATGTCAGCAGCACTTCAAGAGGCAAGTGGGGTTGGAGGTTGTCTCCGATCCTGTG
TCTGCGGTAGGAGGGGCTCTGCTGGTAGTTCCCTCTCCTCCCACAAGGAGCTTCTCTCCA
CCCCCATCAGTTCTCTGTCTCTGTAAATCCTAGAATCCATCACCATGGATCCTCCAGCAG
GTCCCACAGCCGGCTGCTGCTGGAGTCAGATAAGTCAGCGGAGAAGATGCTGGGGGGTGG
GGGACCAGAACCCAGAGGAGGACCCCCGCTCAGGGCCTCCAGCCAGTCCAGGGAGTCCGT
GGGTTCCCCTGGGAAATGGGGAGNAGGAGTTCGTGGGAAACCGGGGTGAAGAGGAGAAAC
AGATGAAAGCCTCANAATCCGGGGAAGGGGACAGCCCGTCCAAAGAACCCGGGAA

Restriction Sites: NotI-NotI

ACCN: NM_182574

Insert Size: 1750 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_182574.1, NP_872380.1

RefSeq Size: 1825 bp

RefSeq ORF: 939 bp

Locus ID: 284358

UniProt ID: Q6ZN01

Cytogenetics:	19q13.33
Gene Summary:	Transcriptional coactivator. Stimulates the transcriptional activity of MEF2C. Stimulates MYOD1 activity in part via MEF2, resulting in an enhancement of skeletal muscle differentiation (By similarity).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) contains a distinct 5' UTR and lacks an in-frame portion of the 5' coding region, compared to variant 1. The resulting isoform (2) has a shorter N-terminus when compared to isoform 1.