

Product datasheet for RC225653

MAMSTR (NM_001130915) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MAMSTR (NM_001130915) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	MAMSTR
Synonyms:	MASTR
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC225653 representing NM_001130915 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACCCTGGCGGCTTCTCCAGCGTTCCCAAATCATTTCGCTCCAAGTTCGGATCTGTCCTCCAGCTTC
GGATCCACAGACGGAATCAGGAGCAGATCTCGGATCCGGACCCGTGGATCTCAGCCTCAGACCCTCTCT
GGCCCCGGCCTTGCCTCGGGCACGGCCCTTTCTCTTCAGCCCTGGGGTCTGCTCCCCGAGCCAGAA
TATTGTCCTCCTTGGAGGTCCCAAAGAAGGAGTCTCCAAGATCTCCAACGTTGGAGGGAGTCCAAGC
CCAGGGGGAACCTTGACATACCACAGTACATGCCCCAGAGCCGAGACAGGGATCCAGGGCGGACCCCA
AGCCGAGGGTCCGCCCTGGGTCTCTGGGCCATCTCTGTGGGAAGGGACAGACTCGCAGCAGCCACAT
CCTAGGATGAAGCCCTCTCCCCTCACTCCCTGCCACCAGGAGTCCCTAGCCCTCGCCCCCCCCACACA
AGTTGGAACCTCAGACCCCTAAACTGGAGGAGCTGACGGTCTCAGAGCTCCGGCAGCAGCTGCGCCTGCG
GGCCTCCAGTGTGGGGACCAAGTCTATGCTCCTGGAGCGCATGCGCGGCGGCGCGCCCGCCGCGAG
CGGCCGAAGCCGCGGCGGAGGACAGTCCCGGGGTGCTCCCTGGCCGCGCTCAAGCCAAAGCCCTGG
CAGCCGCCGCGGTCAGGGCTCGGTCAAGCCAGCGCAGCATCTCACAGGCCACCTTTCCACGTGCCG
GGATACCCCGGGACGGCTCCGGCTCCAACCTCCACTCCGGCTCCTGCTGCAGCTCCAGCCCTGACCCT
TCCTCAGGGCCGGGCTCAGCGGCTCTGACTCTGGAGGAGGACTGCAGGAAGCGATCCGGAGGGCGCAT
TGCTTCCTAACCGGGCATCGATGACATCCTGGAGGATCAGGTGGAGCCTGATGACCCCTGCCCCCTAT
TCCCCTGGACTTCCCTGGCTCCTTCGACGTGCTGTCCCCCTCCCCGACTCTGAAGGCTCTCATGTGT
TTCTCCTTCACTCCCGTCTCCACGAACTCCTCCTCCCTTCTCCAGGGACCCACGGACTCCCTGG
ACTGGCTGGAGCCCTGAGCGGGGTCTCCTCTGGTTCTGGTCCCCACCCCCAGCATCTTCTCCG
TGACTTATCTGACTCCAGCAGCAGCCGGCTGTGGACCTGCTGGAGGATCCATGG

ACGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >RC225653 representing NM_001130915
Red=Cloning site Green=Tags(s)

MTLAASSQRSQIIRSKFRSVLQLRIHRRNQEISDPDPWISASDPPLAPALPSGTAPFLFSPGVLLPEPE
 YCPPWRSPKKEPKISQRWRESKPRGNLTYHQYMPPEPRQGSRADPQAEGSALGPPGSLWEGTDSQPH
 PRMKPSPLTPCPPGVPSPPPHKLELQTLKLEELTVSELRQQLRLRGLPVSGTKSMLLERMGGAPPRE
 RPKPRREDSPAGAPWPRPKPKALAAARRQGSVKPSAASHRPPLPRAADTPGTAPAPTPTPAPAAAALTP
 SSGPGSAALTLEELQEAIRRAQLLPNRGIDDDILEQVEPDDPLPPIPLDFPGSFDVLSPPDSEGLSSV
 FSSSLPSTNSSSPSPRDPTDSLWLEALSGGPPPLGSGPPPPSIFADLSDSSSSRLWDLLEDPW

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8034_f12.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



* The last codon before the Stop codon of the ORF

ACCN: NM_001130915

ORF Size: 1245 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_001130915.2](#)

RefSeq ORF: 1248 bp

Locus ID: 284358

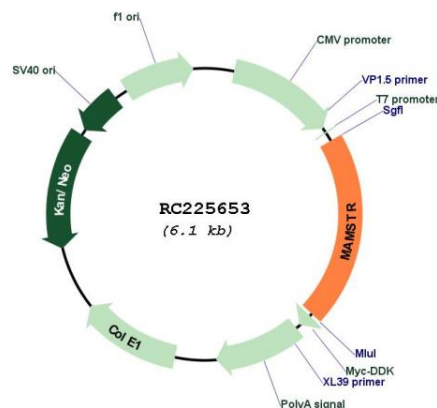
UniProt ID: [Q6ZN01](#)

Cytogenetics: 19q13.33

MW: 44.5 kDa

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]

Product images:



Circular map for RC225653