

Product datasheet for **RR200888**

Mnat1 (NM_153472) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Mnat1 (NM_153472) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Mnat1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR200888 representing NM_153472
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGACGACCAGGGCTGCCCCAGGTGTAAGACCACCAAATACCGAACCCCTTCTTTGAAGCTGATGGTGA
ACGTGTGCGGACACACTGTGTGAGAGTTGTGTGGACTTACTGTTTGAAGAGGAGCTGGAAACTGTCC
GGAGTGTGGCACTCCACTGAGAAAGAGCAACTTAGGGTACAGCTCTTTGAAGATCCCACTGTTGACAAG
GAGGTTGAAATTCGAAAAAAGTACTAAAGATATACAATAAAAGGAAGAAGATTTCTAGTTTAAAGAG
AGTATAATGATTTCTGGAAGAAGTGGAGAAATCGTTTTCAATTTGACCAACAACGTGGATTTGGAGAA
CACTAAAAAGAAAATGGAATATATCAAAAAGAAAACAAAGATGTCATTGAGAAAAATAAATTAAGCTG
ACTCGGGAGCAGGAGGAATTGGAGGAAGCATTGGAGGTAGAACGCCAAGAAAGTGAACAACGACGACTGT
TTATTCAAAAGGAAGAAGAGCTGCAGCAGATTCTGAAAAGGAAGAACAAGCAGGCCTTTTAGATGAGCT
GGAGAGCTCCGACCTCCCTGCTGCTCTGGCTCAGCATAAAGACAGATCTACCCAGCTGGAATG
CAGCTTGAGAAGCCAAATCCATGAAGCCGGTACATTTCCACAGGAATTAATGGGTCAACAGATTT
CGTTAGCACCAATCCAAAAGCTTGAGGAAGCTCTCTATGAATACCAGCCCTGCAGATAGAGACCTGTGG
ACCCCAAGTTCTGAACAAGAGCTGCTAGGAAGACTTGGGTATTTGAACACGTCGAGCTGCATCTCCA
CAGGATCTAGCTGGCGGTATACTTCTTCTTCTGCTTGTACAGAGCGCTACAGGATGCATTCAGTGGGC
TTTTCTGGCAGCCAGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >RR200888 representing NM_153472
 Red=Cloning site Green=Tags(s)

MDDQGPCRCKTTKYRNP SLKLMVNVCGHTLCESCVDLLFVRGAGNCECGTPLRKS NFRVQLFEDPTVDK
 EVEIRKKVLKIYNKREEDFPSLREYNDFLEEVVEIVFNL TNNVDLENTKKKMEIYQKENKDVIQKNLKL
 TREQEEL EEALEVERQESEQRR LFIQKEEELQQILKRKNKQAF LDELESSDLPVALLLAQH KDRSTQLEM
 QLEKPKSMKP VTFSTGIKMGQQISLAPIQKLEEALYEYQPLQIETCGPQVPEQELLGRLGYLNHVRAASP
 QDLAGGYTSSLACHRALQDAFSGLFWQPR

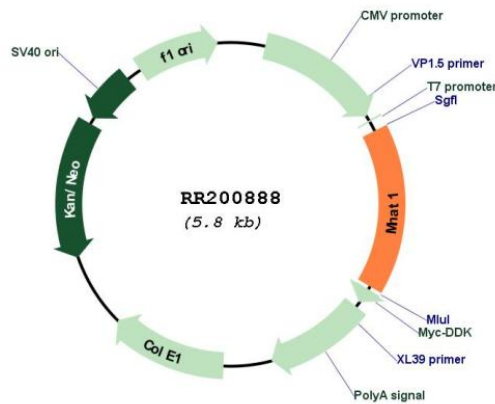
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_153472

ORF Size:	927 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:	<ol style="list-style-type: none">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_153472.2 , NP_703202.1
RefSeq Size:	1334 bp
RefSeq ORF:	930 bp
Locus ID:	266713
Cytogenetics:	6q24
MW:	35.8 kDa
Gene Summary:	may play a role in growth of cardiac myocytes [RGD, Feb 2006]