

Product datasheet for **RR210106**

Mustn1 (NM_181368) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Mustn1 (NM_181368) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Mustn1
Synonyms: Mustang
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR210106 representing NM_181368
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCCGAGGCTGGCACTCCTGAAGCCCCATCAAGAAGAAGCGCCCCCTGTGAAGGAAGAAGACCTGA
AGGGGGCCCGGGGAGTCTGTCCAAGAACCAGGAGATCAAGTCTAAGACGTACCAGGTCATGCGGGACTA
TGAGCAAGCTGGCTCAGCTGCCCATCTATATTCAGCCGCAACCGCACGGGCACCGAGACAGTCTTCGAG
AAGCCCAAAGAGGGACCTGCCAAGAGCGTCTTTGGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR210106 representing NM_181368
Red=Cloning site Green=Tags(s)

MSEAGTPEAPIKKRPPVKEEDLKGARGSLSKNQEIKSKTYQVMRDYEQAGSAAPSIFSRNRTGTETVFE
KPKEGPAKSVFG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

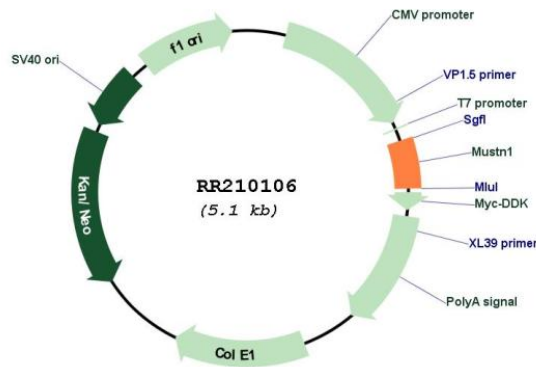


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Cloning Scheme:



Plasmid Map:



ACCN: NM_181368

ORF Size: 246 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:	<u>NM_181368.3</u> , <u>NP_852033.1</u>
RefSeq Size:	1097 bp
RefSeq ORF:	249 bp
Locus ID:	290553
UniProt ID:	<u>Q80XX4</u>
Cytogenetics:	16p16
MW:	9 kDa
Gene Summary:	a nuclear protein thought to be involved in bone regeneration after injury and bone formation during embryogenesis [RGD, Feb 2006]