

Product datasheet for **RN216033**

Msx3 (NM_053712) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Msx3 (NM_053712) Rat Untagged Clone
Tag: Tag Free
Symbol: Msx3
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >RN216033 representing NM_053712
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCCCGGGCAACACTCGACATGAACGCGGGGGCTCGAAGCTCGCGCGGGGGCCACATAGAGCAGG
 GACCACTCCCCTTCAGCGTCGAGTCACTGCTGGAGGCTGAGCGCGTAAGGGGCTCCGAGTCTGGGGAGCT
 GGGGGAGGAGAGGCCGCCCGCGCCTCGAAGCCTGGAGCCTGGCCCCACCGTTCGCGCACTCATGCCCC
 CCACGTGCCCCAGCCCTCCACCCTGCACCCTTCGAAACACAAAACCAATCGCAAACCGAACACCCCT
 TCACCACCGCGCAGCTGCTGGCTCGGAGCGCAAGTTTCACCAGAAGCAATACTTGCCATTGCCGAGCG
 CGCCGAGTTCTCCAGCAGCTTGAGCCTCACTGAAACTCAGGTCAAGATCTGGTTTCAGAATCGCCGAGCC
 AAGGCCAAGCGGCTGCAGGAGGCCGAGCTGGAGAAGCTGAAGCTGACTGCCAAGCCACTACTGCCGCGG
 CATTTGCCCTTCCTTCCCACTGGGCACCCAGCTGCACAGCTCCGCCGCCACTTTCGGCGCAACGCTGT
 TCCTGGGATCCTCGTGGCCGGTTCGGGCTTATGGCATGTACTACTTGTCT**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_053712
Insert Size: 615 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).



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OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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_053712.1 , NP_446164.1
RefSeq Size:	2310 bp
RefSeq ORF:	615 bp
Locus ID:	114504
Cytogenetics:	1q41
Gene Summary:	mouse homolog represses transcription of Msx1; repression may be mediated by binding to cAMP-response element binding protein CBP and histone deacetylase 1 [RGD, Feb 2006]