

Product datasheet for **RN214310**

Msx1 (NM_031059) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Msx1 (NM_031059) Rat Untagged Clone
 Tag: Tag Free
 Symbol: Msx1
 Mammalian Cell Selection: Neomycin
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Fully Sequenced ORF: >RN214310 representing NM_031059
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGACTTCTTTGCCACTCGGTGTCAAAGTGGAGGACTCCGCCTTCGCCAAGCCTGCTGGGGGAGGCGCTG
 CCCAGGCCCGGGGCTGCTGCGGCCACTGCAACCGCCATGGGCACAGATGAGGAGGGCGCAAGCCAA
 AGTGCCCGCTTCACTCCTGCCCTTCAGCGTGGAGGCCCTCATGGCCGATCACAGGAAGCCCGGGCAAAG
 GAGAGCGTCCTGGTGGCTTCCGAAGGGGCTCAGGCGCGGGTGGCTCGGTGCAGCACTTGGCACCCGGC
 CCGGGTCTCTGGGCGCCCGGACGCGCCCTCTCGCCGGGCTCTCGGCCATTTCTCTGTTGGGGGACT
 CCTCAAGCTGCCAGAAGATGCTCTGGTGAAGGCCGAGAGCCGGAGAAGCTAGATCGGACCCGTGGATG
 CAGAGTCCCCGCTTCTCCCCGCCCCAGCCAGGCGGCTGAGTCCCCCGCCTGCACCCTACGCAAGCACA
 AGACCAACCGCAAGCCAGGACGCCCTTACCACGGCTCAGTACTGGCTCTGGAGCGCAAGTTCGCCCA
 GAAGCAGTACCTGTCTATTGCCGAGCGCGCGAGTTCTCCAGCTCGCTCAGCCTTACCGAGACCCAGGTG
 AAGATCTGGTTCCAGAACCGCCGTGCTAAGGCCAAGAGACTGCAGGAGGCCGAGTTGGAGAAGTTGAAGA
 TGGCCGGAAGCCAATGTTGCCGCTGCTGCGTTCGGCCTCTCCTTCTCTGGGGTCTGCAGCGGT
 GGCTGCAGCTGCCGGCGCCTCACTCTACAGTGCCTCTGGCCCTTCCAGCGCGCCGCTGCCTGTAGCG
 CCCGTGGGACTCTACACCGCCACGTAGGCTACAGCATGTACCACCTGACATAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
 ACCN: NM_031059
 Insert Size: 894 bp



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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:	<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_031059.1, NP_112321.1</u>
RefSeq Size:	1806 bp
RefSeq ORF:	894 bp
Locus ID:	81710
Cytogenetics:	14q21
Gene Summary:	transcription factor; may mediate dental and craniofacial development; mutations in human are associated with tooth agenesis and cleft palate [RGD, Feb 2006]