

## Product datasheet for **RN202436**

### **Msx2 (NM\_012982) Rat Untagged Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Msx2 (NM\_012982) Rat Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Msx2  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >RN202436 representing NM\_012982  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCTTCTCCGTCCAAGGCGGTGACTTGTTTTCGTCTGATGAGGAGGGCCCCGCGGTGCTGGCCGGCC  
CGGGCCCCGGGCTGGAGGAGCCGAGGGCGCGGAGGAGCGCAGGGTCAAGGTCTCCAGCCTGCCCTT  
CAGCGTGGAGGCGCTCATGTCCGACAAGAAGCCGCCAAGGAATCGCCCGGGTGCCACCCGACTGCGCC  
TCGGCTGGCGCTGCTCCTGCGGCCGCTGTTGCTGCCGGGACACGGCGTCCGGGACGCTCACAGTCCCGGGC  
CTCTCGTCAAGCCCTTCGAGACCGCCTCGGTCAAGTCGGAAAATTCCGAAGACGGAGCGCGTGGATACA  
GGAGCCCCGGCAGATACTCCCCGCGCCAGACACATGAGCCCCACCACCTGCACCCTGAGGAAACACAAG  
ACCAACCGGAAGCCACGCACACCGTTCCACACGTCCAGCTTCTAGCCTTGGAGCGCAAGTTCGCCAGA  
AACAGTACCTCTCCATCGCAGAGCGGGCCGAGTCTCCAGCTCTGAACCTTACAGAAACCCAGGTCAA  
AATCTGGTTCCAGAACCGAAGGGCTAAGGCAAAAAGACTGCAGGAGGCGGAACTGGAAAAGCTGAAAATG  
GCTGCCAAACCTATGCTGCCCTCGGGCTTCAGTCTGCCCTTCCCTATCAACTCCCCCTTGAAGCGGCAT  
CCATATACAGCGCTCTACCCCTTCCATAGACCTGTGCTTCCATCCCGCTGTGGGACTCTATGCCAC  
GCCGGTGGGATATGGCATGTACCATCTATCC**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_012982  
**Insert Size:** 804 bp



[View online »](#)

<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_012982.3</a> , <a href="#">NP_037114.2</a>
<b>RefSeq Size:</b>	1976 bp
<b>RefSeq ORF:</b>	804 bp
<b>Locus ID:</b>	25483
<b>Cytogenetics:</b>	17p14
<b>Gene Summary:</b>	The protein encoded by this gene is likely a homeobox transcription factor. [provided by RefSeq, Jul 2008]