

Product datasheet for **SC213994**

MSX2 (NM_002449) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	MSX2 (NM_002449) Human 3' UTR Clone
Symbol:	MSX2
Synonyms:	CRS2; FPP; HOX8; MSH; PFM; PFM1
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_002449
Insert Size:	1343 bp



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Insert Sequence: >SC213994 3'UTR clone of NM_002449
The sequence shown below is from the reference sequence of NM_002449. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon **Red**=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
GTGGGATATGGCATGTACCACCTGTCCTAAGGAAGACCAGATCAATAGACTCCATGATGGATGCTTGTT
TCAAAGGGTTTCTCTCCCTCTCCACGAAGGCAGTACCAGCCAGTACTCTGCTCTGCTAACCCCTGCGT
GCACCACCCTAAGCGGCTAGGCTGACAGGGCCACACGACATAGCTGAAATTTGTTCTGTAGGCGGAGGC
ACCAAGCCCTGTTTTCTTGGTGAATCTTCCAGATGCCCTTTTCTTTTCAAAAGATTGGCTCTGAT
GGTTTTTATGTATAAATATATATATAATAAAATATAATACATTTTTATACAGCAGACGTAATAATTC
AAATTATTTTAAAGGCAAAATTTATATACATATGTGCTTTTTTCTATATCTCACCTTCCCAAAAGAC
ACTGTGTAAGTCCATTTGTGTATTTCTTAAAGAGGGAGACAAATATTTGCAAAATGTGCTAAAGTC
AATGATTTTTACGGGATTATTGACTTCTGCTTATGGAACAAAGAAACAGACACAATGCACACAGAAA
ATATTAGATATGGAGAGATTATTCAAAGTGAAGGGGACACATCATATTTCTGCATTTTACTTGCATTAA
AAGAAACCTCTTTATATACTACAGTTGTTCTATCTCTCCCCGCCCCCACCGCCACACACAT
ATTTTTAAAGTTTTCTTTTTTAAAGATTTTTTGTAAAGACCAATACCTGGGATGAGAAGAATCTGA
GACTGCCTGGAGGTGAGGTAGAAAATTAGAAATACTTCTTAATCTTCTCAAGGCTGTTGGTAACTTTA
TTTCAGATAATTGGAGAGTAAATGTTAAACCTGTTGAGAGGAATTGATGGTTTCTGAGAAATACTAG
GTACATTCATCCTCACAGATTGCAAAGGTGATTGGGTGGGGTTTAGTAATTTTCTGCTTAAAAATG
AGTATCTTGTAAACATTACCTATATGCTAAATATTCTTGAACAATTAGTAGATCCAGAAAGAAAAAAA
ATATGCTTTCTCTGTGTGTACCTGTTGTATGTCCTAACTTATTAGAAAATTTTATATACTTTTTTA
CATGTTGGGGGCGAGAAGGTAAAGCCATGTTTTGACTTGGTGAAAATGGGATTGTCAAACAGCCCATTA
AGTTCCCTGGTATTTACCTTCTGTCCATCTGTCCCCTCCCTCCGGTATACCTTTATCCCTTTGAAAG
GGTGCTTGTACAATTTGATATATTTTATTGAAGAGTTATCTTATTCTGAATTAATTAAGCATTTGT
TTTATTGCAGTAAAGTTTGTCCAACTCACAA
ACGCGTAAGCGGCCGCGGCATCTAGATTCAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTTGATTCCACCGCCGCTTCTATGAAAGG
  
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Restriction Sites: Sgfl-MluI

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).

Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq: [NM_002449.5](#)

Summary: This gene encodes a member of the muscle segment homeobox gene family. The encoded protein is a transcriptional repressor whose normal activity may establish a balance between survival and apoptosis of neural crest-derived cells required for proper craniofacial morphogenesis. The encoded protein may also have a role in promoting cell growth under certain conditions and may be an important target for the RAS signaling pathways. Mutations in this gene are associated with parietal foramina 1 and craniosynostosis type 2. [provided by RefSeq, Jul 2008]

Locus ID: 4488

MW: 51.1