

Product datasheet for MC208669

Hmx1 (NM_010445) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hmx1 (NM_010445) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Hmx1
Synonyms:	Nkx5-3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC208669 representing NM_010445 Red=Cloning site Blue=ORF Orange=Stop codon

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCGGATGAGCTGACCGAGCCCGGGCGGCCACACAGCTCGCGCCTCCTCCTTCATCGAGAACC
TGCTAGCAGCCGAGGCCAAGGGCGCGGGCGCTCAACCCAGGGCGATGGCGTCCGCGAGGAAGAGGAAGA
GGACGACGACGACCCCGAGGACGAGGATCCGGAGCAGGCGCGACGACTACAGCGGCGCGACAGCAG
CGCGCGGCGAGCGGGCCGGCGGGAGGCGAGGGCCCGGGCACTGGGCCTAGGGCCCGGCCGCCTCCTG
GGCCCGGCCCGCCCTTCGCGCTCGGCTGCGGAGGTACAACGCGGTGGTACCCACGGGTGCACGGCGGCTA
CGGAGGTGGTCTAAGTCCTGACACAAGCGACCGGGACTCTCCGGAGACCGCGAGGAGATGGGCCGCGCA
GAGAGCGCCTGGCCGCGGTGCCCGGGCGGGAACCGTTCCGCGGGAGGTGACGACGACAGGGCCCGCGCA
CCGGCGGGGAGGAGGCGGCGGAGTTGGCCGAGGCTCCAGCGGTGGCGGCGGCGGACAGGGGAGGCGCG
CGGTGGCCGCGAGGAAGAAGACGCGCACGGTCTTCTCGCGCAGCCAGGTCTTCCAGCTCGAGTCCACTTTC
GATCTGAAGCGCTACCTGAGCAGCGCAGAGCGCGGGCCTCGCCGCCTCGTGCAGTCCAGGAGACGC
AGGTCAAGATCTGGTTTCAGAACCGCCGCAACAAGTGAAGCGGCAGCTGGCAGCGGAGCTGGAGGCGGC
CAGCCTGTCCCCGCCGGGTGCGCAGCGCCTGGTCCGCGTGCCGGTGCTCTACCACGAGAGTCCCCGGCC
GCCGCGGGGCCCGCGCTGCCTTTCCGCTGGCGCCGCCGACCCGACCGCCGCCCGCTGCTTGTT
TCTCGGGCGCGCTTGCTTACCGCTTGCCGCCTTCCCTGCCGCCGCTCGGTGCCCTTCTTCGCGCGCA
GATGCCGGGGCTAGTG**GA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



[View online »](#)

ACCN:	NM_010445
Insert Size:	999 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).
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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_010445.2, NP_034575.1</u>
RefSeq Size:	1508 bp
RefSeq ORF:	999 bp
Locus ID:	15371
UniProt ID:	<u>O70218</u>
Cytogenetics:	5 18.14 cM
Gene Summary:	DNA-binding protein that binds to the 5'-CAAG-3' core sequence. May function as a transcriptional repressor. Seems to act as a transcriptional antagonist of NKX2-5. May play an important role in the development of craniofacial structures such as the eye and ear. [UniProtKB/Swiss-Prot Function]