

Product datasheet for MC208670

Hmx3 (NM_008257) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hmx3 (NM_008257) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Hmx3
Synonyms:	Nkx-5.1; Nkx5-1; Nkx5.1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC208670 representing NM_008257 Red=Cloning site Blue=ORF Orange=Stop codon

TTTGTGTAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGCCGGAGCCCGGGCCGACGCCTCGGGCACTGCCAGCGCGCCGCCCGCAGCCACCGCCCCAACCTC
CCGCGCCCAAGGAATCCCGTTCTCCATCAGGAACCTGCTCAACGGAGACCATCACCGCCGCCCGCCGAA
GCCTCAGCCGCCCCACGAACGCTCTTTGCTCCGGCTCGGCTGCTGCCGCCGCCCGCCGCTGCGGCC
GCCGACGCCAAAGGTGCCCTGGAGGGCGCCGCGGGCTTCGCGCTCTCGCAGGTGGGCGACCTGGCTTTCC
CCCGCTTTGAGATCCAGCGCAGAGTTTGCCTGCCCGCGCACTACCTGGAGCGCTCCCGGCCTGGTG
GTACCCCTACACCCTGACCCCGCCGGCGGTACCTCCCGCGACCAGAAGCCTCGAAAAAGGCCCTCCTG
CGAGACTCCTCCCTGCGTCCGGCACCGATCGAGACTCCCGGAGCCTCTGCTCAAGGCTGACCCCGACC
ACAAGGAGCTGGACTCCAAGAGCCCGGACGAGATCATTCTGGAAGAGAGCGACTCGGAGGAAGGCAAAAA
AGAAGGCGAGGCGGTGCCTGGCGCGCCGGGACGACCGTAGGGGCGACTACGGCGACACCGGGCTCAGAG
GACTGGAAGGCGGGCGCCGAGAGTCCCGAGAAGAAGCCGGCGTGCCGCAAAAAGAAGACGCGCACCGTCT
TCTCGCGCAGCCAGGTCTTCAGCTCGAGTCCACATTCGACATGAAACGCTACCTGAGCAGCTCGGAGCG
CGCTGGCCTGGCCGCTCGCTTACCTACCGAGACGAGGTCAAGATCTGGTTCCAGAATCGCCGCAAC
AAGTGAAGCGACAGCTGGCGGCCGAGCTGGAGCGGCCAACCTGAGCCACGCCGCTGCGCAGCGCATCG
TACGCGTGCCCATCCTCTACCACGAGAACTCTGCGGCCGAGGGGCGGCGAGCGGCTGCGGGGGCACCGGT
GCCAGTCAGCCAGCCGCTGCTACCTTCCCGCACCCAGTCTACTACTCGACCCGGTGGTCTCGTCCGTG
CCCCTACTAAGGCCGGTG**GA**

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-RsrII



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ACCN:	NM_008257
Insert Size:	1071 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:	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_008257.3</u> , <u>NP_032283.3</u>
RefSeq Size:	1372 bp
RefSeq ORF:	1071 bp
Locus ID:	15373
UniProt ID:	<u>P42581</u>
Cytogenetics:	7 74.32 cM
Gene Summary:	Transcription factor involved in specification of neuronal cell types and which is required for inner ear and hypothalamus development. Binds to the 5'-CAAGTG-3' core sequence. Controls semicircular canal formation in the inner ear. Also required for hypothalamic/pituitary axis of the CNS.[UniProtKB/Swiss-Prot Function]