

Product datasheet for **MC206653**

Hoxa10 (BC050839) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hoxa10 (BC050839) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Hoxa10
Synonyms:	Hox-1.8; Hoxa-10
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC050839
 GCTCCCTTCGCCAAATTATCCCACAACAATGTCATGCTCGGAGAGCCCTGCCGCGAACTCCTTTTTGGTC
 GACTCGCTCATCAGCTCAGGCAGAGGCGAGGCTGGTGGTGGTGGCGGTAGCGCGGGGGCGGTGGAGGTG
 GCTACTACGCCACGGTGGGTCTACCTGCCGCTGCCAGCGACCTGCCCTACGGGCTGCAAAGCTGCGG
 GCTTTCCCGCGCTGGGACGCAAGCGTAATGAAGCGCGTCGCCCGAGGCGGTGGCGGTGGTGGCAGC
 GGGGGCTGGGTCTGGGACGCATGGCTACGCGCCCGCCCTAGACCTGTGGTGGACGCGCCCGCT
 CCTGCCGGATGGAGCGCCCGACGGGCCGCCACCGCAGCCACAACCCAGCAGCAGCAGCAGCAGCC
 GCCGCCGCCCGCCGACGCCACCTCAACCCAGCCACAGGCCACTTCGTGTTCTTTTGGCAGAATC
 AAAGAAGAGAGCTCCTACTGCCTTACGATGCTGCGGACAAATGCCCAAGGGCTCGGCCCGCTGATC
 TGGCCCTTTCCCGGGGGCCGCCCGCAGCGCTGCGCCTGGGCGCTCCAGCGGAGTGCCAGTACC
 CGGCTACTTCGCTGTGCGAGGCTACGGCACGGCAAGGGCTTCGGCAGTGGCGGGCGGCACGCGAG
 CAGCTCGTAGTCCCTTCTGCGCAGCCCGGGGCGCGGTTTCGACCCGCCCGCCACTGGCCTCTG
 GCTCGACCGAGGCAGCCGGAAGGAGCGAGTCTAGACTCCACGCCACCACCCACTCTGGTTTGACCCG
 TGGCGGGCTCGCAGGGCGACGAGGAGCACACGCGTATCCTCGGCGGTGAGGAGCTGTCTCCAGCC
 CCTTCAGAAAACAGTAAAGCTTCGCCGGAAGGACTCCCTGGGAGTTCAAAGCGAAAATGCAGCCA
 ACTGGCTCACAGCAAAGAGCGGCCGGAAGAAACGCTGCCCTTACACGAAGCACCAGCAGCTGGAGCTGGA
 GAAGGAGTTTCTATTCAACATGTACCTTACTCGAGAGCGCGCCTAGAGATCAGCCGTAGCGTCCACCTC
 ACGGACAGACAAGTGAATCTGGTTTCAGAATCGCAGGATGAACTGAAGAAAATGAACCGAGAAAAC
 GAATCCGGGAGCTCACAGCCAACCTTAAATTTTCTGATGAACTTCAGACAACGTCTTTTCGTTCTCT
 GAGCGCTGGACCATCTCTGCCTCCAGCCTCTGCCAGAACTCACACCTGTGCCGGAGCCCTTTCT
 CCCTCCACACTCGCCATCTCCAGGCCGTTTCGTCTGTGCAGGGCTGGTTTGTCTGGCTTTTTTGT
 TGTGTGTCTTTGTCTGTTTGTGTTTGTGTTTGTGTTTCTGGGGAAAAAGCCATATCGCTAA
 AATTCATAGAGTTAAGATCTTCTCAGTGTCAAGCTGAATGGGCTGGTTTGTCTGGCTGGGACC
 CACTGCTAGGAAAAGGGCCCGTACTCCTCCACGGATCTGGTTTCTGCCAGCCCTGGGTAACCTTAGC
 CGGAAGCCTTAGTCCCATTGTGCGCGCTGAGGTGTCTGGCTGAGGTCAATGGTGAAGGAGCCGCCAC
 CGGTTTCCGAGCCTGGAGTGTGGGCTGTGTTAATCAGGGAGTCCAGGCTGGTTTCTTTTTCTTT
 TTCTTTTCTTCTGGCCAAGAGCAGAGTATGGAAGCATGGACATTAGGTTAGCTAAAGGGCTTGACCT
 GGCTGGTTGAAAAGTAAAAAGAAATAATCAGTAAGATTAATTTTTCTTCTTTTGAAGATCTCCAG
 CTTTAAATGAAAATTAATGGCAAGAGAAGGAAACCTCTTCCCGTTTGCCTAAGGTCTTGCTTGC
 TGGCTAAAATCCTTCACTTACCTTTGAGTTTCCATATCCCTGCTGTTAACAAATAATGCAGGTTTGT
 TATCATGTGGAAGTGGTGGATTTTGTCAATAAACTGTTACCAATTGGTAACACAAGAAAAGCACACCAC
 AATTCTCCCTATTAATGAGGTTGTTTTTTTTTTTTTTTTGCTTAATCACTTTTTGTTTTGTTTT
 GTTTTTATTTGTAGGCTTTCTGAAATTCATGGAAGCCTAGGTGGGCTGGGGCAAGCAGAAATAAAAT
 GAGAGAAGGGAGATATTGTTGGATTTCTTTATACTGTGAAGTTACATGCATAAAAGGGTCAAACCTGT
 AGGTGCAGAAAAGAAAAAAACCTATAAATACAAATCTGTATAAATGTCTATTATTATGAAAAATTGCC
 AATCTGTTTAAGCAAATGCATTCTATCGTTATTATAAATGTTAGTTCTAGCTTTATTTACTTCAAATC
 TAAATCAGAATAAATTAATATTGATTGCTGCTGCGTGGAAAAAGATGATGTTTATGTTCTTATAGA
 ATAAAAGCTGTGGAATGAA AAA

Restriction Sites: EcoRI-NotI

ACCN: BC050839

Insert Size: 1200 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.

RefSeq: [BC050839](#), [AAH50839](#)

RefSeq Size: 2593 bp

RefSeq ORF: 1200 bp

Locus ID: 15395

Cytogenetics: 6 25.4 cM

Gene Summary: In vertebrates, the genes encoding the class of transcription factors called homeobox genes are found in clusters named A, B, C, and D on four separate chromosomes. Expression of these proteins is spatially and temporally regulated during embryonic development. This gene is part of a cluster on chromosome 6 and encodes a DNA-binding transcription factor that may regulate gene expression, morphogenesis, and differentiation. More specifically, it may function in fertility, embryo viability, and regulation of hematopoietic lineage commitment. Alternatively spliced transcript variants encoding different isoforms have been described. [provided by RefSeq, Jul 2008]