

Product datasheet for **MR207059**

Hoxa3 (NM_010452) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hoxa3 (NM_010452) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Hoxa3
Synonyms:	Hox-1.5; Mo-10
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR207059 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGCAAAAAGCGACCTACTACGACAGCTCAGCGATCTACGGTGGTACCCTACCAAGCAGCCAATGGGT
 TCGCTTACAATGCCAGTCAGCAGCCATACGCGCGTCCGCCGCTCTGGGCACCGATGGCGTTGAGTACCA
 TCGACCTGCCTGCCCTCCAGTCTCCCGCCAGCGCTGGGGGCCACCCAAAACTCATGAGCTGAGCGAA
 GCTTGTCTGCGCACCTGAGCGGCCCTCTAGTCAGCCCCAGGCCTGGGTGAACCACCTTTGCCTCCAC
 CTCCTCCCAGGCAGCGCCCCAGCGCCCAGCCTCCACAGCCCCACCACAGCCCCCTGCGCCACCCC
 TGCAGCTCCTCCGCTCCTCGTCTGTCTCTCCCCCTCAAAGTGCCAACAGCAACCCTACCCTGCCAGC
 ACAGCCAAGAGCCCCCTGCTCAACTCTCCACCGTGGGCAAACAATCTTCCCTGGATGAAAGAGTCAA
 GGCAGAACTAAGCAGAAAACCAGCGGCTCCAGCTCAGGGGAGAGCTGCGCTGGTGACAAGAGCCCGCC
 TGGGCAGGCCTCGTCAAGCGCGCGCAGCGGTACACGAGCGCGCAGCTGGTAGAGCTGGAGAAGGAG
 TTCCACTTCAACCGCTACCTATGCCGGCCGCGCGGGTGGAGATGGCCAACCTGCTGAACCTCACCGAGC
 GCCAGATCAAGATCTGGTTCCAGAACC GCCGATGAAGTACAAGAAAGACCAGAAGGGCAAAGGCATGCT
 GACCTCGTCTGGGGGCCAGTCCCAAGTCGGAGCCCTGTGCCTCCCGGTGCAGGAGGCTATCTGAATTCT
 ATGCATTGCTGGTCAACAGTGTCCCATATGAGCCCCAGTACCCCTCCTTTCTCAAGCTCCCCAAG
 GCGCCTATGGGTTGCCTCCGGCTCCTACCCTGCTCCCTGCCAGCTGCGCTCCCCACCTCCCCACA
 GAAACGCTACACAGCGCGGGGTGAGGCGAGGGGCACCCCTGACTACGACCCGATGCTACGGCCTG
 CAGGGCAATGGCAGCTATGGGACCCACACTTACAGGGAAGCCCGCTCTCGTAGGGGGCAGCTATGTGG
 AGCCCCATGAGCAACTCTGGGCCACTCTTTGGCCTAACTCACCTCCCCACACCCTCGGTGCCATGGA
 CTACGGGGGCACTGGGCCGCTGGGCAGCGACACCACCATGGGCCGGGGCCTGGGAGGCCACACCACCC
 TACACGGACCTTACTGCCACCATCCTTCTCAGGAAGAATTCAGGAAGCGCCAAAGCTCACCCACCTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR207059 protein sequence
 Red=Cloning site Green=Tags(s)

MQKATYYDSSAIYGGYPYAANGFAYNASQQPYAPSAALGTDGVEYHRPACSLQSPASAGGHPKTHELSE
 ACLRTL SGPPSQPPGLGEPPLPPPPQAAPPAPQPPPPQPPAPTAAAPPPSSVSPQSANSNTPAS
 TAKSPLLN SPTVGKQIFPMMKESRQNTKQKTS GSSSGESCAGDKSPPGQASSKRARTAYTSAQLVELEKE
 FHFNRYLCRPRRVEMANLLNL TERQIKIWFQNRMMKYKDKQKKGMLTSSGGQSPSRSPVPPGAGGYLNS
 MHSLVNSVPYEPQSPPPFSKPPQAYGLPPASYPAPLPSCAPPPPPQKRYTAAGSGAGGTPDYDPHAHGL
 QGNGSYGTPHLQGSVPFVGGSYVEPMSNSGFLFGLTHLPHTTSAAMDYGGTGPLGSGHHHGPGGEPHPT
 YTDLTAHHPSQGRIQEAPKLTHL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_010452

ORF Size: 1332 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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: [NM_010452.3](#), [NP_034582.1](#)

RefSeq Size: 2543 bp

RefSeq ORF: 1332 bp

Locus ID: 15400

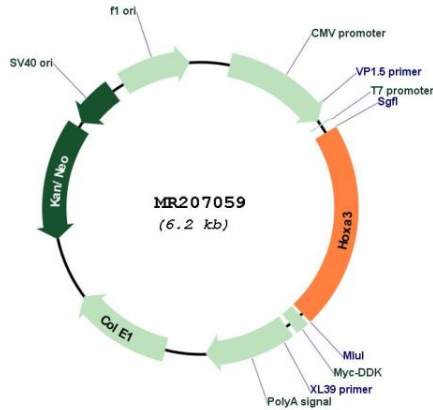
UniProt ID: [P02831](#)

Cytogenetics: 6 25.4 cM

MW: 46.4 kDa

Gene Summary: Sequence-specific transcription factor which is part of a developmental regulatory system that provides cells with specific positional identities on the anterior-posterior axis. Binds 5' to its own homeobox. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR207059