

## Product datasheet for MR224032

### Hoxa7 (NM\_010455) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Hoxa7 (NM_010455) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Hoxa7
Synonyms:	AV118143; Hox-1.1; M6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR224032 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAGTTCTTCGTATTATGTGAACGCGCTTTTTAGCAAATATACGGCGGGGGCTTCTCTCTTCCAAAATG  
CCGAGCCGACTTCTTGCTCCTTTGCACCCAACCGCAGAGAAGCGGCTACGGCCGGGCGCCGGCGCCTT  
CGCTCCACTGTGCCGGGCTTATACAATGTCAACAGCCCCCTCTATCAGAGCCCCCTTCGCGTCCGGCTAT  
GGCCTGGGAGCCGACGCCTACAACCTGCCCTGCGCTCCTACGACAAAACATCCCCGGGCTCTGCAGTG  
ACCTCGCAAAGGCGCCTGCGACAAGGCGGACGAGGGCGTGCTTACGGCCCGGCCGAAGCCAGTTCCG  
CATCTACCCTGGATGCGCAGTTCAGGACCCGACAGGAAGCGGGGACGCCAGACCTACACGCGTACCAG  
ACGCTGGAAGTGGAGAAGGAATCCATTTCAACCCTACCTGACGCGGCGCCGCCATCGAGATCGCTC  
ACGCGCTCTGCCTCACTGAGCGCCAGATCAAGATCTGGTTCAGAATCGGCGCATGAAGTGGAAAGAAAGA  
GCATAAAGATGAGAGCCAGGCTCCCACTGCAGCCCCGGAAGACGCGGTGCCCTCCGTTTCCACAGCTGCT  
GACAAGGCGGACGAGGAGGAAGAGGAGGAAGAGGAGGAAGAGGAGGAAGAGGAGGAAGAGGAG

**ACGCGT**ACGCGGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR224032 protein sequence  
Red=Cloning site Green=Tags(s)

MSSSYVNALFSKYTAGASLFQNAEPTSCSFAPNSQSRSGYGPAGAFSTVPGLYNVNSPLYQSPFASGY  
 GLGADAYNLPCASYDQNIPLGLCSDLAKGACDKADEGVLHGPAEASFRIYPWMRSSGPDKRGRQTYTRYQ  
 TLELEKEFHFNRYLTRRRRIEIAHALCLTERQIKIWFQNRMRKWKKEHKDESQAPTAAPEDAVPSVSTAA  
 DKADEEEEEEEEEEEEE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** Sgfl-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_010455

**ORF Size:** 690 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\\_010455.2](#), [NP\\_034585.1](#)

**RefSeq Size:** 1952 bp

**RefSeq ORF:** 690 bp

**Locus ID:** 15404

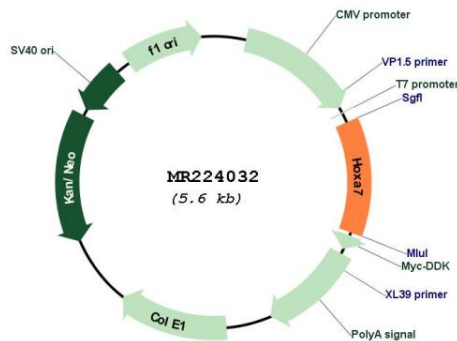
**UniProt ID:** [P02830](#)

**Cytogenetics:** 6 25.4 cM

**MW:** 25.7 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. [UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR224032