

Product datasheet for MC208677

Hoxa11 (NM_010450) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hoxa11 (NM_010450) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Hoxa11
Synonyms:	Hox-1.; Hox-1.9; Hoxa-; Hoxa-11
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC208677 representing NM_010450 Red=Cloning site Blue=ORF Orange=Stop codon

TTTGTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**C

ATGATGGATTTTGATGAGCGTGGTCCCTGCTCCTCTAACATGTATTTGCCAAGTTGTACTTACTACGTCT
 CGGGTCCAGATTCTCCAGCCTCCCTTCTTTTGGCCCCAGACCCCGTCTTCGCGCCCAATGACATACTC
 CTACTCTCCAACCTGCCCCAGGTCCAACCCGTGCGCGAAGTGACCTTCAGAGAGTACGCCATTGAGCCC
 GCCACTAAATGGACCCCCGCGCAATCTGGCCCACTGCTACTCCGCGGAGGAGCTCGTGCACAGAGACT
 GTCTGCAGGCGCCAGCGCGGCCGGCTGCCTGGCGACGTGCTGGCCAAGAGCTCGGCCAACGTCTACCA
 CCACCCACCCCGCCGTCTCGTCCAATTTCTATAGCACGGTGGGAGGAACGGCGTTCTGCCACAGGCT
 TTCGACCAAGTTTTTCGAGACGGCTTACGGCACCCCGGAAAACCTCGCTTCTCCGACTACCCGGGGACA
 AGAACGCCGAGAAGGGGCCCCAAGCAGCAGCTGCGACCTCCGCTGCGGCGGTGGCGGCGGCGGCCACGGG
 CGCGCCGCAACTTCAAGTTCGGACGGCGGCGGTGGCGGCGGCTGTGAGGAGCGGCGGCGGAGGAGAAG
 GAGCGACGGCGGCGACCCGAGAGCAGCAGCCCCGAGTCTGCTTCCGCCCACTGAGGACAAGGCCG
 GTGGCTCCGGTGGCCAACGCACCCGAAAAAGCGCTGCCCTTATACCAATACCAGATCCGAGAGCTGGA
 GCGAGAGTTCTTCTCAGCGTCTACATCAACAAAGAGAAGCGTCTGCACTGTCCCGCATGCTCAACCTC
 ACCGACCGTCAAGTCAAAATCTGGTTTCAGAACAGAAGAATGAAGGAAAAAAGATTAACAGAGACCGGT
 TACAGTACTACTCAGCTAATCCACTTCTC**TAA**

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja2221_b11.zip

Restriction Sites: SgfI-MluI



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ACCN:	NM_010450
Insert Size:	942 bp
OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p>
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:	BC119302 , AAI19303
RefSeq Size:	2288 bp
RefSeq ORF:	942 bp
Locus ID:	15396
UniProt ID:	P31311
Cytogenetics:	6 25.4 cM
Gene Summary:	<p>This gene is located in a cluster of developmentally and temporally regulated genes on chromosome 6 encoding proteins involved in pattern formation. These proteins contain a characteristic DNA-binding motif called a homeodomain and function in transcriptional regulation. There are four distinct clusters of related genes on chromosomes 2, 6, 11, and 15. The protein encoded by this gene is important in the development of the skeleton, limbs, and urogenital tract. Expression of this gene may be regulated by overlapping transcription from an adjacent locus on the opposite strand (GenelD: 15397). [provided by RefSeq, Mar 2013]</p>