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Product datasheet for MC208680

Hoxa4 (NM_008265) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hoxa4 (NM_008265) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Hoxa4
Synonyms:	AV206827; Hox-1.4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC208680 representing NM_008265 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGACCATGAGCTCGTTTTTGATAAACTCCAACTACATCGAGCCCAAGTTCCCTCCTTTCGAGGAGTTCG CCCCGCACGGTGGCCCGGGCGGTGGGGACGGCGCCGTGGGCGGGGGTCCCGGCTACCCGCGGCCCCAGAG CGCCCCGCACCTGCCGGCCCCGAACCCGCACGCGGCCCGCCAGCCCCCCGCTTACTACGCGCCGCGGGCG CGCGAGCCCAGCTACCCCGGGGGCCTGTACCCCGCGCCCGCCGCCGCCTGTCCCTACGCCTGCCGCGGGG CCAGCCCCGCGCGACCCGAGCAGTCCCCGGCCCCCGGCGCGCACCCCAGCCCGGCCCCGCAGCCCCCCGC GCCCCCTCGGCACTGCGCTCCCGGCCCCACCACCCCGGCTGTCGCGACGGGGGGCAGCGCCCCCGCGTGC CCGCTGCTGCTGGCGGACCAGGGCCCGGCGGGCCCGAAGGGCAAGGAGCCGGTGGTGTACCCCTGGATGA AGAAGATCCACGTGAGCGCCGTCAACTCCAGTTATAACGGAGGCGAACCTAAGCGCTCTCGAACCGCCTA TACCCGGCAGCAAGTCTTGGAACTGGAGAAGGAATTCCACTTTAACCGCTACCTGACCCGGCGGCGCCGC ATCGAGATCGCCCACACGCTCTGCTTGTCGGAGCGCCAGGTCAAGATCTGGTTTCAGAACCGGAGAATGA AGTGGAAGAAAGACCACAAACTTCCCAACACCAAGATGCGATCTTCCAACACTGCCTCGGCCCCTGCCGG CCCGCCTGGGAAAGCACAAACTCACAGCCCACACCCCCATCCCCACCCTCTCCCTGGTGCTTCCACACCC ATTCCCTCCTCCATATAA ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAA
Chromatograms:	https://cdn.origene.com/chromatograms/ja3205_a04.zip
Restriction Sites:	SgfI-MluI
ACCN:	NM_008265

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Insert Size:	858 bp
OTI Disclaimer:	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. 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
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_008265.3, NP_032291.1
RefSeq Size:	1528 bp
RefSeq ORF:	858 bp
Locus ID:	15401
UniProt ID:	P06798
Cytogenetics:	6 25.4 cM
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 to sites in the 5'-flanking sequence of its coding region with various affinities. The consensus sequences of the high and low affinity binding sites are 5'-TAATGA[CG]-3' and 5'-CTAATTTT-3'. [UniProtKB/Swiss-Prot Function]