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Product datasheet for MC226863

Hoxa9 (NM_001277238) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hoxa9 (NM_001277238) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Hoxa9
Synonyms:	D6a; D6a9; Hox-1.; Hox-1.7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC226863 representing NM_001277238 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGGCTTTTGCTATAAAAATTATGACTGCAAAACACCGGGCCATTAATAGCGTGCGGAGTGATTTACGCG TTATTGTTCTGCCGGGCGGACACGTGACGCGCGTGGCCAATGGGGGCGCGGGCGCCGGCAACTTATTAGG TGACTGTACTTCACCCCCCCCTGGTGCCACCAAGTTGTTACATGAAATCTGCAGTTTCATAATTTCGGCG GGTCGGGCTGGGCCGGCCAGGCGCGGGCTACTGCAATGGCCACCACCGGGGCCCTGGGCAACTACTATGT GGACTCCTTCCTGCTGGGCGCCGACGCTGCTGATGAGCTGGGTGCGGGACGCTACGCTCCAGGGACCCTG GGTCAACCCCCAAGGCAGGCGGCAGCTCTGGCCGAACACCCCGACTTCAGTCCTTGCAGCTTCCAGTCCA AGGCGGCGGTGTTTGGTGCCTCGTGGAACCCAGTGCACGCGGCGGGCGCCAATGCGGTGCCTGCTGCAGT GTATCATCACCACCACCACCCCTACGTGCATCCCCAGGCGCCCGTGGCGGCGGCGGCGCCGGACGGCAGT TGATAGAGAAAAACAACCCAGCGAAGGCGCCTTCTCCGAAAACAATGCCGAGAATGAGAGCGGCGGAGAC AAGCCCCCCATCGATCCCAATAACCCGGCTGCCAACTGGCTACATGCTCGCTCCACTCGGAAGAAGCGAT GCCCCTACACAAAACACCAGACGCTGGAACTGGAGAAGGAGTTTCTGTTTAACATGTACCTCACACGGGA CCGCAGGTACGAGGTGGCCCGGCTGCTCAACCTCACCGAAAGGCAGGTCAAGATCTGGTTCCAGAACCGC AGGATGAAAATGAAGAAAATCAACAAGGACCGAGCAAAAGACGAGTGA AGCGGACCGACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC TGGATTACAAGGATGACGACGATAAGGTTTAA
Restriction Sites:	SgfI-RsrII
ACCN:	NM_001277238
Insert Size:	888 bp

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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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_001277238.1, NP_001264167.1
RefSeq Size:	3056 bp
RefSeq ORF:	888 bp
Locus ID:	15405
Cytogenetics:	6 25.4 cM
Gene Summary:	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 similar genes on chromosomes 2, 6, 11, and 15. The protein encoded by this gene is important for hematopoeisis. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Mar 2013] Transcript Variant: This variant (2) lacks an internal segment in the 5' coding region, and initiates translation at an alternate start codon, compared to variant 1. The encoded isoform (2) has a distinct N-terminus and is longer than isoform 1. The exon structure of this variant is similar to Hoxa9T (PMID: 9524228). Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.