

Product datasheet for **MR229074**

Hoxa9 (NM_001277238) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Hoxa9 (NM_001277238) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Hoxa9
Synonyms: D6a; D6a9; Hox-1.; Hox-1.7
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR229074 representing NM_001277238
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGGATCGCC

ATGGCTTTTGCTATAAAAATTGACTGCAAAACACCGGGCCATTAATAGCGTGCGGAGTGATTTACGG
 TTATTGTTCTGCCGGCGGACACGTGACGCGCGTGCCAATGGGGCGCGGGCGCCGCAACTATTAGG
 TGAAGTACTTACACCCCTGGTGCACCAAGTTGTTACATGAAATCTGCAGTTTCATAATTTTCGGCG
 GGTCCGGCTGGGCGGCCAGGCGCGGGCTACTGCAATGGCCACCACCGGGCCCTGGGCAACTACTATGT
 GGACTCCTTCTGCTGGGCGCCGACGCTGCTGATGAGCTGGGTGCGGGACGCTACGCTCCAGGGACCCCTG
 GGTCACCCCAAGGCAGGCGGCGAGCTCTGGCCGAACACCCCGACTTCAGTCCTTGACAGTTCCAGTCCA
 AGGCGGCGGTGTTTGGTGCCTCGTGGAACCCAGTGCACGCGGCGGGCGCCAATGCGGTGCCTGCTGCAGT
 GTATCATCACCACCACCCCTACGTGCATCCCAGGCGCCCGTGGCGGCGGCGGCCGACGGCAGT
 TGATAGAGAAAAACAACCCAGCGAAGGCGCCTTCTCCGAAAACAATGCCGAGAATGAGAGCGGCGGAGAC
 AAGCCCCCATCGATCCAATAACCCGGCTGCCAAGTGGCTACATGCTCGCTCCACTCGGAAGAAGCGAT
 GCCCTACACAAAACACAGACGCTGGAAGTGGAGAAGGAGTTTCTGTTTAAACATGTACCTCACACGGGA
 CCGCAGGTACGAGGTGGCCCGGCTGCTCAACCTCACCGAAAGGCAGGTCAAGATCTGGTTCAGAACC
 AGGATGAAAATGAAGAAAATCAACAAGGACCGAGCAAAAGACGAG

AGCGGACCGACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA



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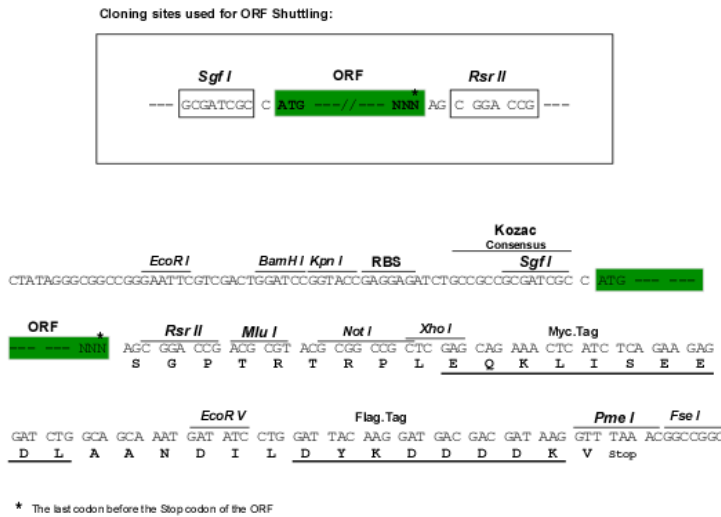
Protein Sequence: >MR229074 representing NM_001277238
 Red=Cloning site Green=Tags(s)

MAFAIKIMTAKHRAINSVRSDLRVIVLPGGHVTRVANGGAGAGNLLGDCTSPPPGATKLLHEICFSFIISA
 GRAGPARRGLLQWPPPGPWATTMWTSPSCWAPTLLMSWVRDATLQGPWVNPQRRQLWPNTPTSVLAASSP
 RRRCLVPRGTQCTRRAPMRCLLQCIITTTTPTCIPRRPWRRRRRTAVDREKQPSEGAFSENNAENESSGD
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 RMKMKKINKDRAKDE

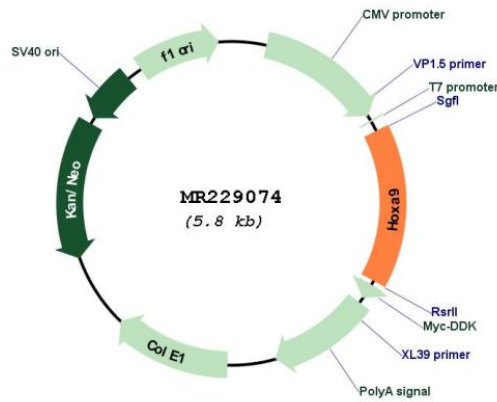
SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-RsrII

Cloning Scheme:



Plasmid Map:



ACCN: NM_001277238

ORF Size: 885 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:	<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.
RefSeq:	NM_001277238.1 , NP_001264167.1
RefSeq Size:	3056 bp
RefSeq ORF:	888 bp
Locus ID:	15405
Cytogenetics:	6 25.4 cM
MW:	33.9 kDa
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 hematopoiesis. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Mar 2013]