

Product datasheet for **MR205074**

Hoxd9 (NM_013555) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hoxd9 (NM_013555) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Hoxd9
Synonyms:	Hox-4.4; Hox-5.2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR205074 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCGTCAGTGGCACCCCTCAGCAACTACTACGTGGACTCGCTCATAGGCCATGAGGGCGACGAGGTGT
TCGCCGCGCGCTTTGGCCACCGGGGCCGGGACACAGGGCCGGCCGAGGTGTGGCCGATGGCCAGC
CGCCGCCACCGCCGAGTTCGCTCGTGTAGTTTGGCCCAAATCGTCCGTGTTCTCCGCTCGTGGTCC
GCGGTGGCCGCCAGCCCCGGCGGCGGACGATGAGCGCCTGTACCACCCGTACGTGTCCCCGCCG
CCCTGGTGCCTGAGCCGGGACGCTACGTACGCTCCTGGATGGAGCCGCTGCCCGCTTCCCCGGCGG
CGCAGGCGGTGGCGGTGGCAGTGGTGGCGCGGTGGCGGAGGCCGGTCCCGTTCCAGCCCCGGTGGC
CCAGCCAACGGGCGCCTACGGGATTAAGCCTGAAACCGGAGCGGCCCGGCCCGCTGCAGCCTCCA
CCTCCTCCTCCTCCACCTCCTCGTCTCCTCCTCCAAAAGGACTGAGTGCTCCGCGGCCCGGAGTC
CCAGGGGAGCGCGGCCAGAAATCCCGTGCAACTCGTTCCTGCGGGACAAGGCAGCGCGGCGACAGGG
AACGGGCCCGGGTGGGAATCGGGACCGGGCCAGGGCGGTAGGCTCGTCCGAGCCCTCAGTTGCAGCG
ATCACCGAGCCCGGCTGCTCGCTGAAGGAGGAGGAGAAGCAGCCGCCGAGCCGCCGACGCAACT
TGACCCAAACAACCCTGCAGCAGCAACTGGATCCACGCTCGCTCCACCCGAAAAAGCGTGTCCCTACACC
AAATACCAGCGCTAGAGCTGGAGAAGGAATTCCTTTCAACATGTACCTCACCCGGGACCGCGCTACG
AGGTGGCCAGGATTCGAACCTTACAGAGAGACAAGTCAAAATCTGGTTCCAGAACCGTAGGATGAAAAT
GAAAAAGATGAGCAAGGAGAAGTGCCTAAAGGAGAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >MR205074 protein sequence
Red=Cloning site Green=Tags(s)

MSSSGTLSNYYVDSLIGHEGDEVFAARFGPPGPGTQGRPAGVADGPAATAEFASCSFAPKSSVFSASWS
 AVAAQPPAAATMSGLYHPYVSPPLAAAEPGRYVRSWMEPLPGFPGGAGGGGGSGGGGGGPGVPSPGG
 PANGRHYGIKPETGAAPAPAAASTSSSSSTSSSSSSKRTECSAARESQQSGGPEFFPCNSFLRDKAAAATG
 NGPGVGI GTGPGAVGSSEPSACSDHPSPGC SLKEEEKQPPQPPQQLDPNNPAANWIHARSTRKKRCPYT
 KYQTLELEKEFLFNMYLTRDRRYEVARILNLTERQVKIWFQNRMMKMKMSKEKCPKGD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_013555

ORF Size: 1020 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_013555.4](#)

RefSeq Size: 2100 bp

RefSeq ORF: 1020 bp

Locus ID: 15438

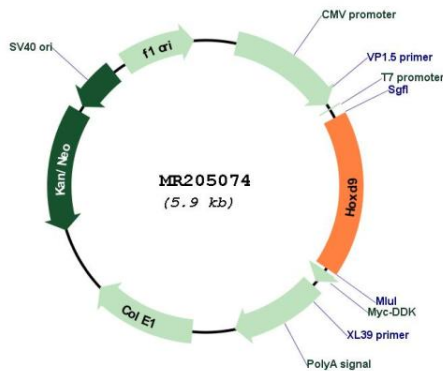
UniProt ID: [P28357](#)

Cytogenetics: 2 44.13 cM

MW: 35 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 MR205074