OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for MR216599

Hoxd1 (NM_010467) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hoxd1 (NM_010467) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Hoxd1
Synonyms:	Hox-4.9
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>MR216599 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAGCTCTTACCTGGAGTACGTGTCGTGCGCCGCGGGCGGTGGCAGCGGAGGGGTAGGCGGCGACGTGC
TCGGCTTCGCACCCAAGTTCTGCCGCGCCGACGCGCGCCCTGTGGCCCTGCAGCCGGCCTTCCCCCTGGG
CAGCGGAGACGGCGCCTTCGTGAGCTGCCTGCCCCTGGCCACCGCTCGGCCCACGCCGTCGCCTCCCGCA
GGCCCCGCTCAGTCCCCGGTCCCACAGCCCGCCGCGCCCCGGTACGCGCCCTGCACCCTGGAAGGCGCCT
ACGAGCGGGGCGCCGCACCTGCCTCTGCCGCCGAGTATGGCTTCTTGGGGTCCGGGCCGGCGTTTGACTT
CCCGGGCGCACTTGGGAGAGCGGCGGACGAGGGCGGGGCGCACGTCCACTATGCCACCTCGGCGGTCTTC
TCCGGCGGGGGATCATTCCTGCTCAGCGGCCAGGTGGACTTCGCTGCCTTTGGCGAGCCTGGCCCCTTCC
CCGCGTGTCTCAAGGAGCCCGCAGACGGCCACCCCGGGCCCTTTCAGACTGTGTCCCCGGCCCCTGGAGC
CTGCCCCAAGCCGGCCTCTCCCACCTCCAGCCTCCCGGCCGCCCACAGCACTTTCGAGTGGATGAAAGTG
AAGAGGAACGCCCCCAAGAAAAGCAAACTGTCCGAATATGGAGCCACAAGCCCTCCCAGTGCCATCCGCA
CAAATTTCAGCACCAAGCAACTGACAGAGCTAGAGAAAGAGTTTCATTTCAATAAGTACCTAACTAGAGC
CCGACGCATCGAGATAGCCAACTGTTTACAGCTGAATGACACCCAGGTCAAAATCTGGTTCCAGAACCGT
AGGATGAAGCAGAAGAAGAGGGAACGAGAGGGGCTTCTGGCCACAGCTGCCTCTGTGGCCTCGATTAAGC
TTCCCCGGTCAGAAACAAGTCCCATCAAATCTGGCCGGAATCTAGGAAGCCCTTCTCAGGCTCAAGAGCC
TTCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

View online »

Protein Sequence:

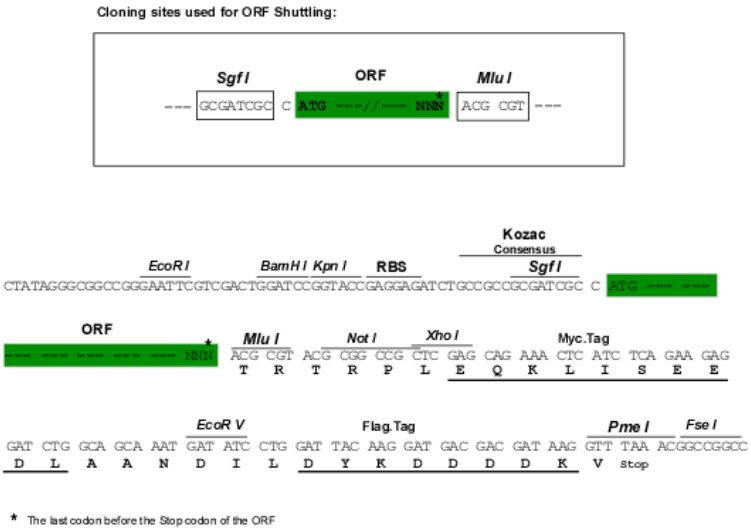
>MR216599 protein sequence
Red=Cloning site Green=Tags(s)

MSSYLEYVSCAAGGGSGGVGGDVLGFAPKFCRADARPVALQPAFPLGSGDGAFVSCLPLATARPTPSPPA
GPAQSPVPQPAAPRYAPCTLEGAYERGAAPASAAEYGFLGSGPAFDFPGALGRAADEGGAHVHYATSAVF
SGGGSFLLSGQVDFAAFGEPGPFPACLKEPADGHPGPFQTVSPAPGACPKPASPTSSLPAAHSTFEWMKV
KRNAPKKSKLSEYGATSPPSAIRTNFSTKQLTELEKEFHFNKYLTRARRIEIANCLQLNDTQVKIWFQNR
RMKQKKREREGLLATAASVASIKLPRSETSPIKSGRNLGSPSQAQEPS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_010467

ORF Size: 987 bp

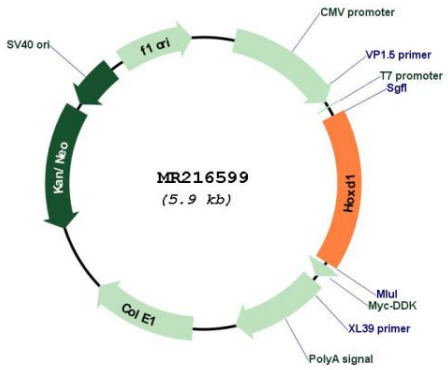
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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_010467.2, NP_034597.2
RefSeq Size:	1878 bp
RefSeq ORF:	987 bp
Locus ID:	15429
UniProt ID:	Q01822
Cytogenetics:	2 44.13 cM
MW:	34.2 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. Acts on the anterior body structures.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR216599