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 MC225661

Hoxd8 (NM_001290731) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hoxd8 (NM_001290731) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Hoxd8
Synonyms:	4921540P06Rik; AI047735; Hox-4.3; Hox-5.4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC225661 representing NM_001290731 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGTTTCCCTGGATGAGACCACAAGCAGCTCCTGGTAGACGGAGAGGAAGACAAACCTACAGTCGCTTCC AAACCCTAGAGTTGGAAAAGGAATTCCTTTTTAACCCTTATCTGACCAGGAAGAGGAGAATCGAGGTCTC CCATACTCTGGCCCTCACGGAGAGACAGGTAAAAATCTGGTTCCAGAACAGGAGAATGAAATGGAAAAAG GAGAACAACAAAGACAAGTTTCCTGCGTCCCGGCCGGAGGCAAAGGATGGAGACCCCAAAAAGGAAGTCT CGGGGCTGGAAGAAGACGGAGCTGAAGGCTGCCCCACAAATTAA ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAA
Restriction Sites:	SgfI-MluI
ACCN:	NM_001290731
Insert Size:	324 bp
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.

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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_001290731.1, NP_001277660.1
RefSeq Size:	1683 bp
RefSeq ORF:	324 bp
Locus ID:	15437
Cytogenetics:	2 44.13 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. [UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (3) contains an alternate 5' terminal exon, and it thus differs in the 5' UTR, lacks a portion of the 5' coding region, and initiates translation at a downstream in-frame start codon, compared to variant 1. The encoded isoform (c) is shorter at the N-terminus, compared to isoform a. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.

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