

Product datasheet for **MR227872**

Hoxd8 (NM_001290731) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Hoxd8 (NM_001290731) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Hoxd8
Synonyms: 4921540P06Rik; AI047735; Hox-4.3; Hox-5.4
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR227872 representing NM_001290731
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGTTTCCTGGATGAGACCACAAGCAGCTCCTGGTAGACGGAGAGGAAGACAAACCTACAGTCGCTTCC
AAACCCTAGAGTTGAAAAGGAATTCCTTTTAAACCTTATCTGACCAGGAAGAGGAGAATCGAGGTCTC
CCATACTCTGGCCCTCACGGAGAGACAGGTAATAATCTGGTTCAGAACAGGAGAATGAAATGGAAAAAG
GAGAACAACAAAGACAAGTTTCTGCGTCCCGCCGGAGGCAAAGGATGGAGACCCAAAAAGGAAGTCT
CGGGGCTGGAAGAAGACGGAGCTGAAGGCTGCCCAAAAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR227872 representing NM_001290731
Red=Cloning site Green=Tags(s)

MFPWMPQAAPGRRRGRQTYSRFQTLLEKEFLFNPYLTRKRRIEVSHTLALTERQVKIWFQNRMKWKK
ENNKDKFPASRPEAKDGPKEVSGLEEDGAEGCPTN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

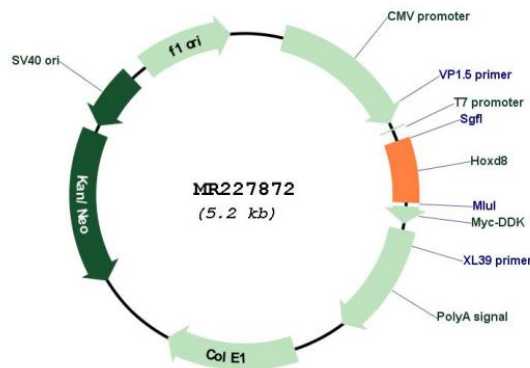


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Cloning Scheme:



Plasmid Map:



ACCN: NM_001290731

ORF Size: 321 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:	<u>NM_001290731.1, NP_001277660.1</u>
RefSeq Size:	1683 bp
RefSeq ORF:	324 bp
Locus ID:	15437
Cytogenetics:	2 44.13 cM
MW:	13.2 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. [UniProtKB/Swiss-Prot Function]