

Product datasheet for **MG220999**

Hoxd8 (NM_008276) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Hoxd8 (NM_008276) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Hoxd8
Synonyms: 4921540P06Rik; AI047735; Hox-4.3; Hox-5.4
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG220999 representing NM_008276
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAGCTCGTACTTCGTGAACCCGCTGTACTCCAAGTACAAGGCGGCGGCCGCGGCGGCGGCGGCTG
 CGGCGGCCGCGGCGGCGAGGCCATCAATCCCCTTACTACGACTGTATTTTGCACCCGAGGTCAGCGG
 CCGCCACGCCGCCCTGCAGCTCTATGGCAACAGCGCCGCGGCTTCCCGCACGGCACCCGCACCCG
 CACCCGCACCCGTCGCCGCCCGGGTGCAGGCGAGGGGCGGCCGGGGCCCGCCAGGACTACTTCC
 ACGCCGCGCGGCGAGCCGACCGCTGCCTACCAGGCCGCCACCTCCTCCGCACCTCCGCCTCCGCC
 GCCGCTCCCCCTGCGGCGGGATTGCCTGTACGGGGAGCCCGGAAGTTTTACGGATACGATAACTTA
 CAGAGACAGCCGATTTTTACGACCCAGCAAGAGCCGAGCTGGTACAATATCCTGACTGTAATCGTCCA
 GTGGTAATATTGGCGAGGACCCAGACCACTTAAATCAGAGCTCGTCTCCTTCTCAAATGTTTCCCTGGAT
 GAGACCACAAGCAGCTCCTGGTAGACGGAGAGGAAGACAAACCTACAGTCGCTTCCAAACCTAGAGTTG
 GAAAAGGAATTCCTTTTTAACCTTATCTGACCAGGAAGAGGAGAATCGAGGTCTCCATACTCTGGCCC
 TCACGGAGAGACAGGTAAAAATCTGGTTCCAGAACAGGAGAATGAAATGGAAAAAGGAGAACAACAAGA
 CAAGTTTCCTGCGTCCCGGCCGAGGCAAAGGATGGAGACCCAAAAAGGAAGTCTCGGGGCTGGAAGAA
 GACGGAGCTGAAGGCTGCCCCACAAAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG220999 representing NM_008276
 Red=Cloning site Green=Tags(s)

MSSYFVNPLYSKYKAAAAAAAAAAAAAAAAAAGEAINPTYDYDCHFAPESVGRHAAALQLYGNSAAGFPHAHPHP
 HPHPSPPPGCGGGGGPGQDYFHAGAGSPTAAYQAAPPPPPPPPPPPPCGGIACHGEPAKFYGYDNL
 QRQPIFTTQQEAEVLQYPDCKSSSGNIGEDPDHLNQSSSPSQMFPWMPQAAPGRRRGRQTYSRFQTLLEL
 EKEFLFNPYLTRKRRIEVSHLALTERQVKIWFQNRMRKWKKENNKDKFPASRPEAKDGDGPKKEVSGLEE
 DGAEGCPTN

TRTRPLE - GFP Tag - V

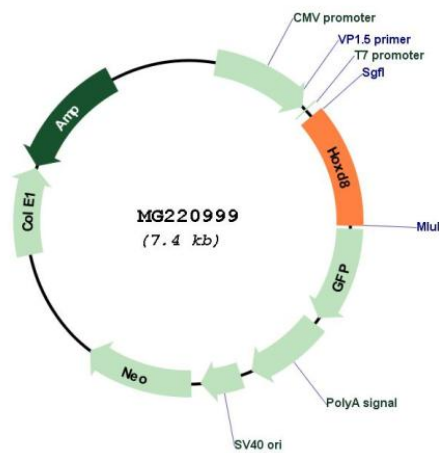
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_008276

ORF Size: 867 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_008276.3 , NP_032302.2
RefSeq Size:	1424 bp
RefSeq ORF:	870 bp
Locus ID:	15437
UniProt ID:	P23463
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]