

## Product datasheet for **MG227242**

### Hoxb9 (NM\_008270) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Hoxb9 (NM_008270) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Hoxb9
Synonyms:	Hox-2.5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG227242 representing NM_008270 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTCCATTTCTGGGACGCTTAGCAGCTATTATGTCGACTCGATCATAAGTCACGAGAGCGAGGACGCGC  
CTCCAGCCAAGTTTCCTTCGGGCCAGTACGCGAACCCGCGGCAGCCGGGCCACGCCGAGCACCTGGACTT  
CCCCTCGTGCAGCTTCCAGCCCAAAGCGCCGGTGTTCGGCGCCTCCTGGGCGCCGCTGAGCCCGCACGCC  
TCGGGGAGCCTGCCGTCTGTCTACCACCCTACCTGCAGCCCCAGGGCGCGCCGGCGCCGAAAGCAGGT  
ACCTCCGCACCTGGCTAGAGCCGGCGCCGCGCCGAGGCGCCCGGGGAGGGCCAGGCGCCGCTGAA  
GGCGGAGCCGCTGCTGGGCGCGCCGGGGAGCTGCTCAAACAGGGCACGCCGAGTACAGTTTGAAACT  
TCGGCGGGCAGGAGGCTGTCCTGTCTAATCAAAGAGCTGGCTACGGGGACAATAAAATTTGCGAAGGAA  
GCGAGGACAAAGAGAGGCGGATCAAACCAACCCTCTGCCAACTGGCTGCACGCCCGCTTCCCGGAA  
AAAGCGCTGTCCCTACACCAAATACCAGACGCTGGAGCTAGAGAAGGAGTTTCTGTTCAATATGTACCTC  
ACCAGGGACCGCAGGCATGAAGTGGCCAGACTCCTCAATCTGAGTGAGAGACAAGTCAAATCTGGTTTC  
AGAACCGCGGATGAAAATGAAGAAGATGAATAAGGAGCAGGGCAAAGAG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG227242 representing NM\_008270  
 Red=Cloning site Green=Tags(s)

MSISGTLSSYYVDSIISHESDAPPAKFPSPGQYANPRQPGHAEHLDFPSCSFQPKAPVFGASWAPLSPHA  
 SGLSPSVYHPYLQPGAPAAESRYLRTWLEPAPRAEAAPGQGQAAVKAPELLGAPGELLKQGTPEYSLET  
 SAGREAVLSNQRAGYGDNKICEGSEDKERPDQTNPSANWLHARSSRKKRCPYTKYQTLELEKEFLFNMYL  
 TRDRRHEVARLLNL.SERQVKIWFQNRMMKMKMNKEQGKE

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shutting:



**ACCN:** NM\_008270

**ORF Size:** 750 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\\_008270.2](#), [NP\\_032296.2](#)

**RefSeq Size:** 2711 bp

**RefSeq ORF:** 753 bp

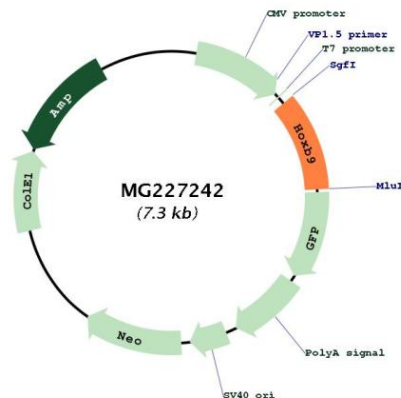
**Locus ID:** 15417

**UniProt ID:** [P20615](#)

**Cytogenetics:** 11 59.81 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]

## Product images:



Circular map for MG227242