

Product datasheet for **MG223011**

Hoxd3 (NM_010468) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hoxd3 (NM_010468) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Hoxd3
Synonyms:	Hox-4.1; Hox-5.5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG223011 representing NM_010468 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTTATTTGAGCAGGGTCAGCTGACCCTGGAACCTCCTGAGTGCACCATGCAGAAGGCTGCATACTACG
AGAACCCAGGACTCTTTGGAGGCTACGGATATAGCAAAGCCACTGACACATATGGCTACAGCACTCCTCA
TCAGCCTTACCCACCCCTGCTGCTGCCAACTCCCTGGACAGTGATTACCCAAGTTCTGCCTGCTCCATC
CAGAGCTCTGCACCTCTCCGAGCCCCAGCCACAAGGAGCTGAACTCAATGGTAGCTGTATGAGACCTG
GCACTGGGAATAGCCAGGGTGGAGGTGGTGGCAACCAACCCCTGGTCTGAACTCAGAGCAGCAGCCACC
ACAACCTCCTCCTCCACCACCACCCACCTTGCCCCATCTTACCTACCAATCCTGGAAGTGGAGTGCCT
GCCAAGAAGACCAAGGGTGGACTCAGTGCTTCTAGCTTCTCATCCACCATCAGCAAACAGATCTTCCCCT
GGATGAAAGAATCCCAGACAAGTCCAAGCAGAAGAAGAGCTGTGCCACTTCAGGAGAGAAGTGTGAGGA
CAAGAGCCACCCGGCCAGCATCCAAGAGGGTGCACGCGCGTACACGAGTGCTCAGCTGGTGGAGCTG
GAGAAGGAGTTCCACTTCAACCGCTATCTGTGCCGGCCGCGCGTGGAGATGGCAACCTGCTGAACC
TCACCGAACGCCAGATCAAGATCTGGTTCCAGAACCGTCGCATGAAGTACAAGAAGGACCAGAAGGCTAA
GGGCATCTGCATTCTCCAGCCGGTCAGTCCCCGGAGCGCAGCCACCTCTTGGAGGAGCGCGGGCCAC
GTGGCTTACTCCGGCCAGCTGCCGCCGGTGCCTGGCCTACGACGCACCCCTCGCCGCCCGCTTTCCG
CCAAATCGAGCCCAATATGTACGGCTGGCCGCTACACGGCCGCTCAGCAGCTGCCTGCCTCAGCA
GAAGCGGTACCCGGCCCGAGTTCCAGCCTCACCCATGGCGAGCAACGGCGGGGCTTCGCCAGCGCC
AACCTGCAGGGCAGCCGGTGTACGTGGCGGCAACTTCGTCGACTCCATGGCGCCACGTCCGGCCGG
TCTTCAATCTGGCCACCTCTCGCACCCGTCTTCGGCCAGCGTGGACTACAGTTGCGCCGCGCAATCCC
TGGCAACCATCACCGGACCCTGCGACCCTCATCCACCTACACAGATCTCTCGGCTCACCCTCGTCT
CAGGGACGCTGCCGAGGCCCAAACTGACACATCTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG223011 representing NM_010468
 Red=Cloning site Green=Tags(s)

MLFEQQQLTLELPECTMQKAAYENPGLFGGYGYSKATDTYGYSTPHQPYPYPPAAANSLSDYPSSACSI
 QSSAPLRAPAHKGAELNGSCMRPGTGNSQGGGGNQPPLNSEQPPQPPPPPPPTLPPSSPTNPGSGVP
 AKKTKGGLSASSSSSTISKQIFPWMKESRQNSKQKNSCATSGENCEDKSPPGPASKRVRTAYTSAQLVEL
 EKEFHFNRYLCRPRRVEMANLLNLTERQIKIWFQNRMMKYKDKQAKGILHSPAGQSPERSPPLGGAAGH
 VAYSGQLPPVPLAYDAPSPPAFAKSQPNMYGLAAYTAPLSSCLPQQKRYPAPEFEPHPMASNNGGFASA
 NLQGSPPYVYVGGNFVDSMAPTSGPVFNLGHL SHPSSASVDYSCAAQIPGNHHHGPCDPHPTTYDLSAHHS
 QGRLPEAPKLTHL

TRTRPLE – GFP Tag – V

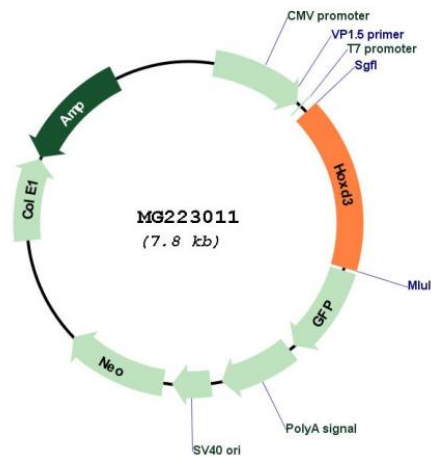
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_010468

ORF Size:	1299 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_010468.2 , NP_034598.2
RefSeq Size:	2902 bp
RefSeq ORF:	1302 bp
Locus ID:	15434
UniProt ID:	P09027
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]