

Product datasheet for **MG205089**

Hoxd10 (NM_013554) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hoxd10 (NM_013554) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Hoxd10
Synonyms:	AI385591; AI874987; Hox-4.5; Hox-5.3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG205089 representing NM_013554 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCCTTTCCCAACAGCTCTCCTGCTGCTAATACTTTTTAGTAGATTCCCTTGATCAGTGCCTGCAGGA
GTGACAGTTTTTATTCGAGCAGCGCCAGCATGTACATGCCACCACCTAGCGCAGACATGGGGACCTATGG
AATGCAAACCTGTGGACTGCTCCCGTCTTTGGCCAAAAGAGAAGTGAACCACCAAATATGGGTATGAAT
GTACATCCTTATATACCTCAAGTAGACAGTTGGACAGACCCGAACAGATCTTGTCGAATAGAGCAACCTG
TTACACAGCAAGTCCCCACTTGCTCATTACCGCCAACATTAAGAAGAATCCAATTGCTGCATGTATTC
TGATAAGCGCAACAACTCATTTCTGCCGAGGTCCTTCTGACCGAGGCTGGTCCCGAGTCTTGTCCT
GTTGAGAACCCCGAGGTTCTGTCCCTGGATATTTAGACTGAGTCAGACCTACGCCACCGGAAAAACCC
AAGAGTACAATAACAGCCCCGAAGGCAGCTCCACTGTCATGCTCCAGCTCAACCCCTCGTGGCGCGGCCAA
GCCGCAGCTCTCGGCTGCCAGCTGCAGATGAAAAAGAAGATGAACGAAAGCGCGAGCGGCCAGGAGCCC
ACTAAAGTCTCCAAGTGGAGAGCCCCGAGGCCAAAGGCGGCCTTCCAGAAGACAGGAGCTGCCTGGCTG
AGGTTTCCGTGTCCAGTCCCGAAGTGCAGGAGAAGGAAAGCAAAGAGGAAATCAAGTCTGATACTCCAAC
CAGCAATTGGCTCACTGCAAAGAGTGGCAGAAAAGAAGAGTGCCTTACACCAAGCACCAAACGCTGGAA
TTGGAAAAGAGTTCTTGTCAATATGTACCTCACCCGAGCGCCGCTAGAGATCAGTAAAGAGCGTTA
ACCTCACCGACAGGCAGTCAAGATTTGGTTTCAAACCCGCAATGAACTCAAGAAGATGAGCCGAGAGA
GAATCGAATCCGAGAAGTACCAGCAACCTCACCTTTTCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG205089 representing NM_013554
Red=Cloning site Green=Tags(s)

MSFPNSSPAANTFLVDSLISACRSDSFYSSASMYPPPSADMGTYGMQTCGLLPSLAKREVNHQNMGMN
 VHPYIPQVDSWDPNRSERIEQVPTQVPTCSFTANIKESNCCMYSDKRNKLISAEVPSYQRLVPESCP
 VENPEVPVPGYFRLSQTATGKTQEYNNSEGSSTVMLQLNPRGAAPQLSAAQLQMEKKMNESASGQEP
 TKVVSQVESPEAKGGLPEDRSCLAEVSVSSPEVQEKEKEEIKSDTPTSNWLTAKSGRKKRCPYTKHQITL
 LEKEFLFNMYLTRERRLEISKSVNLDRQVKIWFQNRMKLKKMSRENRIRELTANLTFSS

TRTRPLE - GFP Tag - V

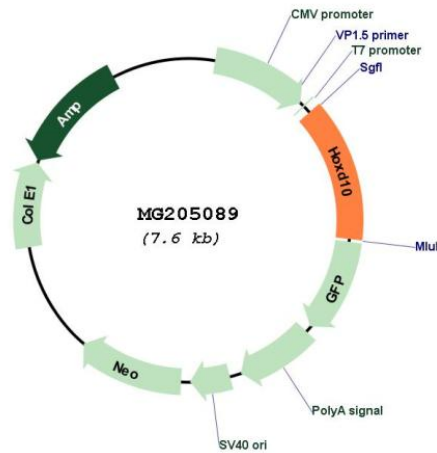
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_013554

ORF Size: 1020 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_013554.5
RefSeq Size:	1865 bp
RefSeq ORF:	1023 bp
Locus ID:	15430
UniProt ID:	P28359
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]