

Product datasheet for **MG222653**

Hoxd11 (NM_008273) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hoxd11 (NM_008273) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Hoxd11
Synonyms:	E230017H14Rik; Hox-4.6; Hox-5.4; Hox-5.5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG222653 representing NM_008273 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAACGACTTTGACGAGTGCGGCCCCAGCGCAGCCAGCATGTACCTGCCGGGCTGCGCTTACTACGTGG
CCCCGTCGGACTTCGCCAGCAAGCCGTCGTTCTCTCGCAGCCGTCCTCGTGCCAGATGACTTCCCCTA
CTCCTCCAACCTGGCGCCACACGTCCAGCCCGTGGGGAGGTGGCCTTTCGCGACTACGGCCTGGAGCGC
GCCAAGTGGCCGTACCGCGCGGAGGCGCGGTGGCGGGGGGGCGCGCGCGCGGTCCCGCGGGG
GTGGTGGCGGCTCCGGGGCTACGCTCCCTACTACGCCCGGCAGCGCGGCAGCGCGGCAGCGCGGCGG
GGCCGAGGAGGCGCCATGCAACGAGATCTGCTCCCGCCCGCGCCGCCGGCCAGAGCTGCTTCAAG
GCTCCCGAGCCGGTGTGCGGCGCTCCCGGGCCCGCACGGTCCGGCGGCGCGCAGCCTCTAATTCTACA
GCGCCGTGGGTCGCAACGGCATCCTGCCCCAGGGCTTTGATCAGTTCTACGAGGCGGCGCCGGACCCCC
CTTCGCCGGCCCGCAGCCCCAGCCCGTCCCGCGCCGCCACAGCCGAGGGCGCCGCTGACAAGGGCGAC
CCCAAGCCAGGGGCTGGTGGCGGCGGGGAGTCCCTGCGCCAAGGCGACTCCGGGCCAGAGCCCAAGG
GGGCGGCGGAAGGCGGTGGCGGTGAAGGCGAGGGCCCCCGGGGGAGGCGGGGGCCGAAAAGAGCGGCGG
CACAGTGGCCCCCAGAGGTCCCGGAAAAAGCGCTGTCCCTACACCAAGTACCAGATCCGCGAAGTGGAA
CGCGAGTTTTTCTTTAATGTATACATAAACAAGAGAAAAGACTCAACTCTCTCGGATGCTCAACCTCA
CTGACCGCAAGTCAAAATCTGGTCCAGAATCGCAGGATGAAAGAAAAGAACTGAACAGGGACCGTCT
GCAATATTTCACTGGAACCCCTTATTT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG222653 representing NM_008273
 Red=Cloning site Green=Tags(s)

MNDFDECGPSAASMYLPGCAYYVAPSDFAASKPSFLSQPSSCQMTFPYSSNLAPHVQPVREVAFRDYGLER
 AKWPYRGGGGGAGGGGGGGPGGGGGSGGYAPYAAAAAAAAAAAAAAAAEAMQRDLLPPAGRRPDVLFK
 APEPVCGAPGPPHGPAASNFYSAVGRNGILPQGFDFYEAAPGPPFAGPQPAPAPPQPEGAADKGD
 PKPGAGGGGSPCAKATPGPEPKGAAEGGGEGEGPPGEAGAEEKSGGTVAPQRSRKKRCPYTKYQIRELE
 REFFFNYYINKEKRLQLSRMLNLTDRQVKIWFQNRMMKEKLNDRDLQYFTGNPLF

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



ACCN: NM_008273

ORF Size: 1008 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_008273.2](#), [NP_032299.1](#)

RefSeq Size: 1011 bp

RefSeq ORF: 1011 bp

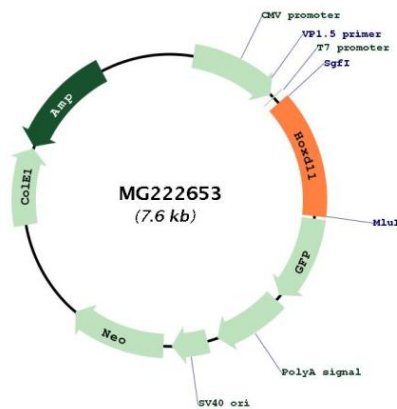
Locus ID: 15431

UniProt ID: [P23813](#)

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]

Product images:



Circular map for MG222653