

Product datasheet for MR222653

Hoxd11 (NM_008273) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hoxd11 (NM_008273) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Hoxd11
Synonyms:	E230017H14Rik; Hox-4.6; Hox-5.4; Hox-5.5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR222653 representing NM_008273 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAACGACTTTGACGAGTGCGGCCCCAGCGCAGCCAGCATGTACCTGCCGGGCTGCGCTTACTACGTGG
CCCCGTCGGACTTCGCCAGCAAGCCGTCGTTCTCTCGCAGCCGTCCTCGTGCCAGATGACTTCCCCTA
CTCCTCCAACCTGGCGCCACACGTCCAGCCCGTGC GGAGGTGGCCTTTCGCGACTACGGCCTGGAGCGC
GCCAAGTGGCCGTACCGCGCGGAGGCGCGGTGGCGGGGGGGCGCGCGCGCGGTCCCGCGGGG
GTGGTGGCGGCTCCGGGGCTACGCTCCCTACTACGCCGCGGCAGCGCGGCAGCGCGGCAGCGCGGC
GGCCGAGGAGGCGCCATGCAACGAGATCTGCTCCCGCCCGCGCCGCCGCGCCAGAGCTGCTTCAAG
GCTCCCGAGCCGGTGTGCGGCGCTCCCGGGCCGCGCACGGTCCGGCGGCGCGCAGCCTCTAATTCTACA
GCGCCGTGGTTCGCAACGGCATCCTGCCCCAGGGCTTTGATCAGTTCTACGAGGCGGCGCCCGGACCCCC
CTTCGCCGGCCCGCAGCCCCAGCCCGCTCCCGCGCCGCCAGCCCGAGGGCGCCGCTGACAAGGGCGAC
CCCAAGCCAGGGGCTGGTGGCGGGGGGAGTCCCTGCGCAAGGCGACTCCGGGCCAGAGCCCAAGG
GGGCGGCGGAAGGCGGTGGCGGTGAAGGCGAGGGCCCCCGGGGGAGGCGGGGGCCGAAAAGAGCGGCGG
CACAGTGGCCCCCAGAGTCCCGGAAAAAGCGCTGTCCCTACACCAAGTACCAGATCCGCGAATGGAA
CGCGAGTTTTTCTTTAATGTATACATAAACAAGAGAAAAGACTCAACTCTCTCGATGCTCAACCTCA
CTGACCGCAAGTCAAAATCTGGTTCAGAATCGCAGGATGAAAGAAAAGAACTGAACAGGGACCGTCT
GCAATATTTCACTGGAACCCCTTATTT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR222653 representing NM_008273
Red=Cloning site Green=Tags(s)

MNDFDECGPSAASMYLPGCAYYVAPSDFAASKPSFLSQPSSCQMTFPYSSNLAPHVQPVREVAFRDYGLER
 AKWPYRGGGGGAGGGGGGGPGGGGGGGYAPYAAAAAAAAAAAAAAAAEAMQRDLLPPAGRRPDVLFK
 APEPVCGAPGPPHGPAASNFYSAVGRNGILPQGFDFYEAAPGPPFAGPQPAPAPPQPEGAADKGD
 PKPGAGGGGGSPCAKATPGPEPKAAEGGGGEGPPEAGEAEKSGGTVAPQRSRKRCPYTKYQIRELE
 REFFFNVYINKEKRLQLSRMLNLDTRQVKIWFQNRMMKEKLNDRDLQYFTGNPLF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9046_g11.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



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

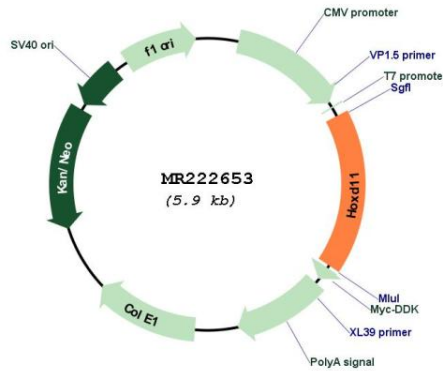
UniProt ID: [P23813](#)

Cytogenetics: 2 44.13 cM

MW: 35.3 kDa

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 MR222653