

Product datasheet for **MG223880**

Hoxc11 (NM_001024842) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hoxc11 (NM_001024842) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Hoxc11
Synonyms:	Hox-3.7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG223880 representing NM_001024842 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTTAACTCGGTCAACCTGGGCAACTTCTGCTCGCCTTCGCGCAAGGAGAGGGGCGCTGACTTCGGCG
AACGAGGGAGCTGCACCTCCAACCTCTATCTGCCAGTTGCACTTACTACGTGCCTGAGTTCTCCACCGT
CTCTTCTTCTACCCAGGCTCCCTCTCGTCAGATTTCTATCCCTACTCAGCCAAGTGCCCCGGTC
CGGGAGGTCTCTACGGCTGGAACCGTCCGGGAAGTGGCACCATCGGAACAGCTACTCGTCTTGTATG
CGGCGGCCGACGAGCTTATGCACCGGGAGTGCCTGCCTCTTCCACAGTCACTGAGATCCTCATGAAAA
TGAAGGCTCCTACGGCGGCCACCACCACCCAGCGCCCGCACGGGCCCGCCGGCTTCTACTCCTCA
GTCAACAAGAACAGCGTCTTGCCCAAGCTTTCGACCGCTTCTTCGACAACGCCTACTGCGGTGGGGAG
ATGCGCCCGGAGCCCCCTGCTCCGCAAGGGCGAGGCCAAGGGGGAGCCTGAGGCGCCCCCGCCTC
GGGACTTTCGTCCTCCGGGAGAGCCGGTGTGAGGCCGAGGCCGAGGAGGAGAACACGAATCCCAGCTCG
TCCGGTTCTTCCCACTCGGCGACCAAGGAGCCGGCCAAGGGAGCCGCCCAACGCCCGCCCGCACCCGCA
AGAAGCGCTGCCCTTATTCGAAATTCAGATCCGGAACTGGAGCGAGAGTTTTTCTTCAACGTGTACAT
CAACAAAGAGAAGCGGCTGCAGCTGTCCCGATGCTGAACCTGACAGACCGACAAGTGAATAATTTGGTTT
CAGAACAGGAGAATGAAAGAAAAAACTGAGCAGAGACCGGCTGCAGTATTTTTTCAGGAAATCCACTGC
TG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG223880 representing NM_001024842
 Red=Cloning site Green=Tags(s)

MFNSVNLGNFCSPSRKERGADFGERSCTSNLYLPSTYYVPEFSTVSSFLPQAPSRQISYPYSAQVPPV
 REVSYGLEPSGKWHHRNSYSSCYAAADELMHRECLPPSTVTEILMKNEGSYGGHHPSAPHAAPAGFYSS
 VNKNSVLPQAFDRFFDNAYCGGGDAPAEPPCSGKGEAKGEPEAPPASGLASRAEAGAEAEAEENTNPSS
 SSSHSATKEPAKGAAPNAPRTRKRCPCYSKFQIRELEREFFFNVIYINKEKRLQLSRMLNLTDRQVKIWF
 QNRRMKEKKLSRDRLQYFSGNPLL

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001024842

ORF Size: 912 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_001024842.1](#), [NP_001020013.1](#)

RefSeq Size: 915 bp

RefSeq ORF: 915 bp

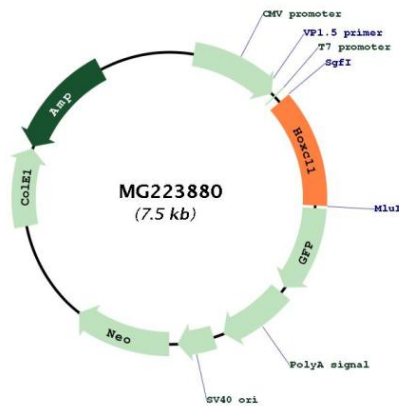
Locus ID: 109663

UniProt ID: [P31313](#)

Cytogenetics: 15 58.02 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 MG223880