

## Product datasheet for **MC208689**

### Hoxc12 (NM\_010463) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Hoxc12 (NM_010463) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Hoxc12
Synonyms:	Hox-3.8
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC208689 representing NM_010463 Red=Cloning site Blue=ORF Orange=Stop codon

```
ATGGGCGAGCATAATCTCCTGAATCCTGGGTTTGTGGGGCCGCTGGTGAATATCCACACAGGAGACACCT
TCTACTTCCCAACTTCCGCGCTCAGGGGCACAACCTCCCGGGGCTGCCTTCGCTGTCTACCCACGCCG
CGACAACGTGTGCTCGCTGCCTTGGCCGTCGGCCGAGCCGTGCAATGGCTACCCACAGCCCTATCTCGG
AGTCCCGTGTCTCTCAACCCGCCTTTCGGCCGACGTGCGAGTTGGCTCGCGTGGAGGATAGCAAGGTT
ACTACCGAGAACCCTGCGCTGAGGGCGGCGGGGGCCATAAGCGGGAGGAGCGGGGCGCAACCCGG
AGCGGGACCCGGGCAGCGCTACTGCAGCTGGAGCCGTCGGGGCCACCTGCGCTCGGCTTCAAGTACGAC
TACACGGCGAGCGCGGGTGGCGACGGCAGCAGGGACCCCCACGATCCACCCTCGTGCCAGTCAC
TGGAAATCCGACTCCAGTTCGTCCCTACTCAACGAGGGCAATAAGAGCGCCAGCGCTGGTGACCCTGGCTC
TCTGGTTTCGCCGTTGAACCCAGGCGGGGGCTCTCAGCCAGCGCGCGCCCTGGTACCCGATCCACAGC
CGCTCGCGAAAGAAGCGCAAGCCGATTCGAAGTTGCAGCTGGCTGAGCTGGAGGGCGAGTTTCTGGTCA
ACGAGTTCATCACACGCCAGCGTCGGAGGGAACCTCGGACCGCTTGAATCTTAGTGATCAGCAGGTCAA
GATTTGGTTCCAGAACCGGAGAATGAAAAAGAAAAGACTTCTGCTGAGGGAGCAAGCTCTCTCTCTTC
TAGACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCA
```

Chromatograms:	<a href="https://cdn.origene.com/chromatograms/ja2181_a08.zip">https://cdn.origene.com/chromatograms/ja2181_a08.zip</a>
Restriction Sites:	Sgfl-Mlul
ACCN:	NM_010463
Insert Size:	879 bp



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**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

**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\\_010463.1](#), [NP\\_034593.1](#)

**RefSeq Size:** 843 bp

**RefSeq ORF:** 843 bp

**Locus ID:** 15421

**UniProt ID:** [Q8K5B8](#)

**Cytogenetics:** 15 58.01 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]