

## Product datasheet for **RR206291**

### Hoxc4 (NM\_001109884) Rat Tagged ORF Clone

#### Product data:

Product Type: Expression Plasmids  
 Product Name: Hoxc4 (NM\_001109884) Rat Tagged ORF Clone  
 Tag: Myc-DDK  
 Symbol: Hoxc4  
 Synonyms: Hox3r3  
 Vector: pCMV6-Entry (PS100001)  
 E. coli Selection: Kanamycin (25 ug/mL)  
 Cell Selection: Neomycin  
 ORF Nucleotide Sequence: >RR206291 representing NM\_001109884  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGATCATGAGCTCGTATTTGATGGACTCTAACTACATCGATCCGAAATTCCTCCATGCGAAGAATATT  
 CGCAAAATAGCTACATCCCTGAACACAGTCCGGAATATTACGGCCGGACCAGGAATCGGGATCCAGCA  
 TCACCACCAGGAGCTGTACCCACCACCGCTCCGCGCCCTAGCTACCCTGAGCGTCAGTATAGCTGCACC  
 AGTCTCCAGGGGCCCGCAATTCGCGAGCCACGGCCGCGCCAGCGGGCCACCACCACCTGAGAAAT  
 CGCAGCCGCTCTGCGAGCCGGCGCTCTCTCAGGCGCCTCTGCCTCCCGTCCCCAGCCCCGCCAGCCTG  
 CAGCCAGCCAGCCCTGACCATCCCTCCAGCGCCGCGCAGCAAGCAGCCATAGTCTACCCTTGGATGAAA  
 AAAATTCACGTTAGCACGGTGAACCCCAATTATAACGGAGGGGAGCCCAAGCGCTCGAGGACAGCCTACA  
 CCCGGCAGCAGGTCTGGAATTAGAGAAAGAGTTTCATTACAACCGCTACCTGACCCGAAGGAGAAGGAT  
 CGAGATCGCCACTCGCTGTGCCTCTCTGAGAGGCAGATCAAAATCTGGTTCCAAAACCGTCGCATGAAA  
 TGAAGAAGGACCACCGACTCCCAACACCAAAGTGAGGTGAGCGCCCCGGCCGGCGCTGCACCCAGCA  
 CCCTCTCGGCAGCCACCCCGGCACTTCTGAAGACCACTCCAGAGCGCCACGCCCGCGGAGCAGCAACG  
 GGCAGAGGACATCACCAGTTA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR206291 representing NM\_001109884  
 Red=Cloning site Green=Tags(s)

MIMSSYLMSNYIDPKFPPCEEYSQNSYIPEHSPEYYGRTRESGFQHHHQELYPPPPRPSYPERQYSCT  
 SLQGGNSRAHGPAQAGHHHPEKSQPLCEPAPLSGASASPAPPACSQPADHPSSAASKQPIVYPWMK  
 KIHVSTVNPNYNGGEPKRSRTAYTRQVLELEKEFHYNRYLTRRRRIEIAHSLCLSERQIKIWFQNRMRK  
 WKKDHRLPNTKVRSAPPAGAAPSTLSAATPGTSEDHSQSATPPEQQRAEDITRL

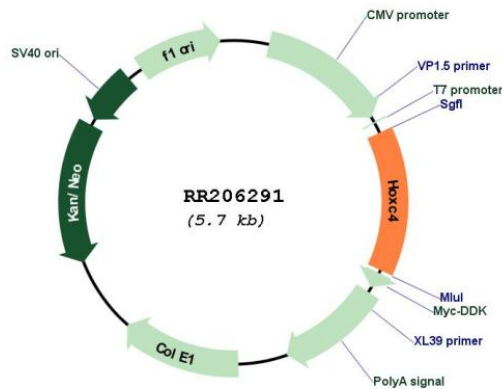
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001109884  
**ORF Size:** 792 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001109884.1</a> , <a href="#">NP_001103354.1</a>
<b>RefSeq Size:</b>	2068 bp
<b>RefSeq ORF:</b>	795 bp
<b>Locus ID:</b>	24459
<b>Cytogenetics:</b>	7q36
<b>MW:</b>	29.8 kDa
<b>Gene Summary:</b>	mouse homolog is a homeobox transcription factor [RGD, Feb 2006]