

## Product datasheet for **RR216203**

### Hoxb5 (NM\_001191925) Rat Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Hoxb5 (NM\_001191925) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Hoxb5  
**Synonyms:** RGD1562292  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >RR216203 representing NM\_001191925  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAGCTCGTACTTTGTAACTCCTTCTCGGGCGTTATCCAAATGGCCCGGACTATCAGTTGCTAAATT  
ATGGCAGTGCCAGCTCTCTGAGCGGCTTTACAGGGATCCCGCTGCCATGCACACCGGCTTTACGGCTA  
CAATTACAATGGGATGGATCTCAGCGTCAACCGCTCCTCGGCCTCATCCAGCCACTTTGGGGCGGTGGGC  
GAGAGCTCGCGCGCTTCCCCGCGTCCGCCAGGAGCCCCGCTTCAGGCAGGCGACATCCAGCTGCTCCC  
TGTCCCTCGCCGAGTCACTGCCCTGCACCTAACGGCGACAGCCACGGCGCCAAGCCCTCTGCTTCGTCGCC  
TTCCGACCAGGGGACCCAGCCAGCTCCAGCGCAATTTACCGAAATAGACGAGCCAGCGCGTCTCT  
GAGCCTGAGGAAGCTGCGAGCCAGCTAAGCAGCCCGAGCCTGGCTCGGGCACAGCCAGAGCCCATGGCCA  
CCTCTACAGCCGCGCCGAGGGGACAGCTCCACAGATATCCCCTGGATGAGGAAGCTTCACATCAGCCA  
CGATATGACTGGGCCAGACGGAAAAAGGGCCCGGACCGCCTATACTCGCTACCAGACCCTGGAGCTGGAG  
AAGGAATCCACTTCAATCGCTACCTGACCCGGCGGCGACGGATCGAGATCGCCACGCGCTTTGCCTGT  
CCGAGCGTCAGATCAAGATCTGGTTCCAGAACCCTCGCATGAAGTGAAGAAAGACAACAACTGAAAAG  
TATGAGTTTGGCTACAGCCGGCAGCGCCTTCCAACCC

**ACGCGTACGCGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT**  
**ACAAGGATGACGACGATAAGGTTTAA**



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**Protein Sequence:** >RR216203 representing NM\_001191925  
Red=Cloning site Green=Tags(s)

MSSYFVNSFSGRYPNGPDYQLLNYGSGSSLSGSYRDPAAAMHTGSYGYNYNGMDLSVNRSSASSSHFGAVG  
 ESSRAFPAQAQEPFRQATSSCSLSSPELPCNTNGDSHGAKPSASSPSDQATPASSANFTEIDEASASS  
 EPEEAASQLSSPSLARAQPEPMATSTAAPEGQTPQIFPWMRKLHISHDMTGPDGKRARTAYTRYQTLLE  
 KEFHFNRYLTRRRRIEIAHALCLSERQIKIWFQNRMRKWKKDNKLSMSLATAGSAFQP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** Sgfl-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



**ACCN:** NM\_001191925

**ORF Size:** 807 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\\_001191925.1](#), [NP\\_001178854.1](#)

**RefSeq Size:** 1534 bp

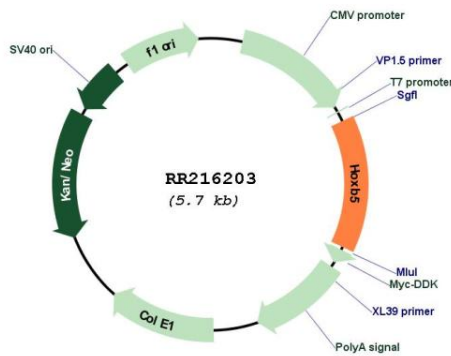
**RefSeq ORF:** 810 bp

**Locus ID:** 497987

**Cytogenetics:** 10q26

**MW:** 29.5 kDa

**Product images:**



Circular map for RR216203