

Product datasheet for **RR210758**

Hoxb7 (NM_001017480) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Hoxb7 (NM_001017480) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Hoxb7
Synonyms: Hox2r1b; R1b
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR210758 representing NM_001017480
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGTTCATTGTATTATGCGAATGCTTTATTTTCTAAATATCCAGCCGCAAGTTCGGTTTTCGCTCCAG
GAGCCTTCCCGAACAACTTCTTGCGCCTTTGCCTCAAACCCAGCGCCGGGCTATGGAGCAGGTCC
GGCGGCCCTTCTCCGCTCGGTGCAGGGTCTGTACTCCGGCGGTGGGGCATGGCGGCCAGAGCGCG
GCCGGCTCTATGAGCCGGCTACGGGCTCGAACCAGATTCTTCAACATGCACTGCGCGCCTTTGAGC
AGAACCTCTCCGGGTGTGTCCGGGCGACCCCGCAAGGCGGCTGGCGCCAAGGAGCAGAGGGACTCGGA
CTTGGCGCCGAGAGTAACCTCCGGATCTACCCCTGGATGCGAAGCTCAGGGACTGAACGAAAGCGGGC
CGCCAGACCTATACGCGCTACCAGACCTGGAGCTGGAGAAAGAATTTCACTACAATCGCTACCTGACTC
GGCGCGCGCATCGAGATCGCGCACGCGCTCTGCCTACCGAAAGACAGATCAAGATCTGGTTTCAGAA
CCGGCGCATGAAGTGAAAAAGGAGAACAAAACCTCAGGCCAGGAACCACTGGCCAGGACAAGCGCGAA
GCGGACGAGGAGGAAGAGGAGGAAGAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR210758 representing NM_001017480
Red=Cloning site Green=Tags(s)

MSSLYYANALFSKYPAASSVFAPGAFPEQTSCAFASNPQRPYGGAGPGAPFSASVQGLYSGGGMAGQSA
 AGVYEAGYGLEPSSFNMHCAPFEQNL SGVCPGDPAKAAGAKEQRDSDLAESNFRIYPWMRSSGTERKRG
 RQTYTRYQTLELEKEFHYNRYL TRRRRIEIAHALCL TERQIKIWFQNRMRKWKKNKTS GP GTTGDQKAE
 ADEEEEEEE

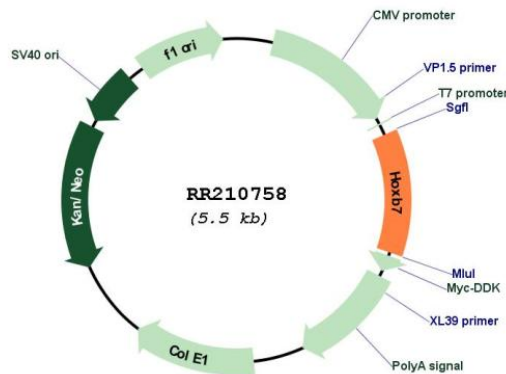
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001017480

ORF Size: 657 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:	<ol style="list-style-type: none">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_001017480.1 , NP_001017480.1
RefSeq Size:	1235 bp
RefSeq ORF:	660 bp
Locus ID:	497985
UniProt ID:	P18864
Cytogenetics:	10q26
MW:	24.2 kDa
Gene Summary:	mouse homolog is a DNA-binding homeobox transcription factor; may play a role in development of the haemopoietic system [RGD, Feb 2006]