

Product datasheet for **RR203606**

Hoxb13 (NM_001107041) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Hoxb13 (NM_001107041) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Hoxb13
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR203606 representing NM_001107041
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGCCCGCAATTATGCCACCTTGGACGGGGCCAAGGATATCGAAGGCTTGGTGGGAGCTGGAGGGG
GTCGGAATTTAGTCGCCACTCCTCCCACTGGCTAGCCATCCCGCAGCTCCAACGCTGATGCCGACTGT
CAACTATGCCCCCTTGGATCTGCCAGGCTCTGCAGAGCCACAAAGCAGTGCCACCCTTGTCTGGGGTG
CCCCAGGGGGCATCTCCAGCTCCTGTGCCTTATGGCTACTTTGGAGGCGGGTACTACTCTTGCCGAGTAT
CCAGGAGCTCACTGAAACCCTGTGCCAGACGGCCACCCTGGCTACTTACCCTTCGGAAACCCCTGCACC
TGGGGAGGAGTATCCTAGCCGTCCACCGAGTTTGCCTTCTATCCGGGCTACCGGGACCTTACCAGCCT
ATGGCCAGTTACCTGGATGTGTCTGTGGTGCAGACCCTGGGGGCCCTGGGGAGCCTCGCCACGACTCTC
TGCTTCCCGTGGACAGTTATCAGCCTTGGGCCCTGGCCGGTGGCTGGAACAGCCAGATGTGCTGCCAAGG
TGAACAGAACCACAGGTCCATTCTGGAAGCAGCATTTCAGAGCCCAGTGCCAGCACCTCCTCCC
GACGGCTGCGCCTTCGCCCGGCCGCAAAAACGCATTCCCTATAGCAAGGGGCAGTTGCGAGAGCTGG
AGCGAGAGTATGCGGCCAACAAGTTTATCACAAGGACAAGAGGCGCAAGATCTCGGCAGCCACCAGCCT
CTCTGAACGCCAGATTACCATCTGGTTTCAGAACCGCCGGTCAAGGAGAAGAAGTTCTTGCCAAGGTC
AAGACCAGCACTACTCCG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR203606 representing NM_001107041
 Red=Cloning site Green=Tags(s)

MEPGNYATLDGAKDIEGLLGAGGGRNLVAHSSPLASHPAAPTLMPTVNYAPLDLPGSAEPPKQCHPCPGV
 PQGASPAPVPYGYFGGGYISCRVSRSSLKPCAQTATLATYPSETPAPGEEYPSRPTAFYYPGYPGYQP
 MASYLDSVVQTLGAPGEPRHDSLLPVDSYQPWALAGGWNSQMCCQGEQNPPGPFWKAFAEPSVQHPPP
 DGCAFRRGRKKRIPYSGQLRELEREYAANKFITKDKRRKISAATSLSERQITIIWFQNRVKEKKVLAKV
 KTSTTP

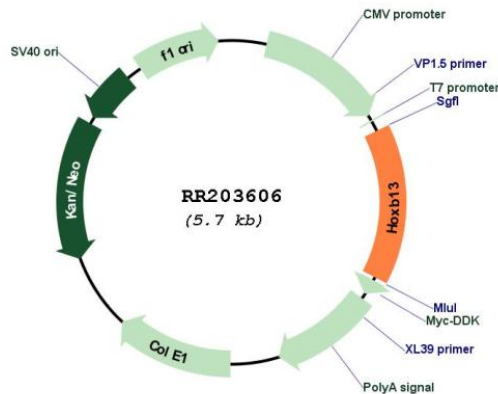
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001107041

ORF Size:	858 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_001107041.1 , NP_001100511.1
RefSeq Size:	1347 bp
RefSeq ORF:	861 bp
Locus ID:	303480
Cytogenetics:	10q26
MW:	31 kDa