

Product datasheet for **MR203892**

Hoxb13 (NM_008267) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hoxb13 (NM_008267) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Hoxb13
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR203892 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**

ATGGAGCCCGCAATTATGCCACCTTGGACGGGGCCAAGGATATCGAAGGCTTGCTGGGAGCTGGAGGGG
GTCGGAATCTAGTCTCCCACTCTCCCACTGGCTAGCCATCCCAGGCTCCAACGCTGATGCCAACTGT
CAACTATGCCCCCTGGATCTGCCAGGCTCTGCAGAGCCACCAAGCAGTGCCACCCTTGTCTGGGGTG
CCTCAGGGGCATCTCCAGCTCCTGTGCCTTATGGCTACTTTGGAGGCGGGTACTACTCTTGCCAGAT
CCAGGAGCTCCCTGAAACCTGTGCCAGACGGCCGCTGGCTACCTACCCTTCGAAACTCCTGCACC
TGGGGAGGAGTATCCAGCCGCTCCACCGAGTTTGCCTTCTATCCGGGCTACCCGGGACCATACCAGCCT
ATGGCCAGTTACCTGGATGTGTCTGTGGTGAGACCCTGGGAGCCCGGAGAGCCTCGCCACGATTCTC
TGCTTCCCGTGGACAGTTACCAGCCCTGGGCCCTGGCCGGTGGCTGGAACAGCCAGATGTGTTGCCAAGG
TGAACAGAACCACCAGGTCCATTCTGGAAGCAGCGTTTGCAGAGCCAGTGTCAGCACCCCTCTCCC
GACGGCTGTGCCTTCCGCCGAGGCCGCAAAAAACGCATTCCCTATAGCAAGGGCAGTTGCGGGAGTTGG
AGCGGGAGTATGCAGCAACAAGTTTATCACTAAGGACAAGAGGCCAAGATCTCGGCAGCCACCAGCCT
CTCTGAACGCCAGATTACCATCTGTTTTCAGAACCGCCGGTCAAGGAGAAGAAGTTCTTGCCAAGGTC
AAGACCAGCACTACCCCG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR203892 protein sequence
Red=Cloning site Green=Tags(s)

MEPGNYATLDGAKDIEGLLGAGGGRNLVSHSSPLASHPAAPTLMPTVNYAPLDLPGSAEPPKQCHPCPGV
 PQGASPAPVPYGYFGGGYYSCRVSRSSLKPCAQTAAALATYPSETPAGGEEYPSRPTEFAFYPGYGPYQP
 MASYLDSVVQTLGAPGEPRHDSLLPVDSYQPWALAGGWNSQMCCQGEQNPPGPFWKAADFAPSVQHPPP
 DGCAFRRGRKKRIPYSKQGLRELEREYAANKFITKDKRRKISAATSLSERQITIWQNRNVKEKKVLAKV
 KTSTTP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_008267

ORF Size: 861 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_008267.4](#)

RefSeq Size: 1313 bp

RefSeq ORF: 861 bp

Locus ID: 15408

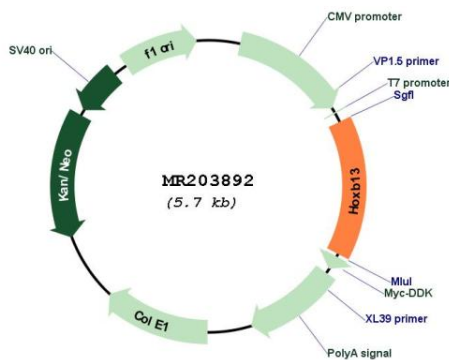
UniProt ID: [P70321](#)

Cytogenetics: 11 59.63 cM

MW: 31 kDa

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. Binds preferentially to methylated DNA (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR203892