

## Product datasheet for **MR209255**

### Hmgxb4 (NM\_178017) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Hmgxb4 (NM_178017) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Hmgxb4
Synonyms:	4733401K04Rik; AI316803; Hmgb211
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR209255 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCTTATGATGACTCCATGAAGAAAGAAGATTGCTTTGATGGTGATCACAGCTTTGAGGACATAGGAC  
 TTGCAGCTGGCCGAAGCCAACGAGAAAAGAAGCGGTCTTACAAAGACTTCTTAAGGGAAGAGGAAGAAGT  
 CGCCGCGCAGGTCAAGAGCTCTTCCAAGAAGAAGTCAAAGGACAGTGATTTGTTCTTCTGGGGACGGAC  
 ACACACAAGAAGAAGAGGAAGCACTCCCCTGACGATTACTACTATGGAGACATTTGACTTTGGAATCAT  
 CACAGAAGAAAAGAAGAAGTCTAGCCACAGTCTCCGGACACAGCAATGGACCTGTTGAAAGCTATCAC  
 CTCCCCACTGGCAGCGGGTGCCAAGTCTCTAAGAAGGCAGGGGAGAAATCTCCAGCTCTTCAAGCCAT  
 CCAGAGAGCAGGAAGGAGCACCACAAGAAGAAGGGCAATGGCAGCAGTGGAGAGCTCTCCCTGGATGACA  
 GCAATGCCACAAATCCAAAAGATGAAGCCACTCTATGTGAACACAGAGACTGACTCTTCGTGAGCC  
 AGATGGCTTAAAGATGAAACTCATTCTCTACCAAAGGAGAAGGGAAGCAGCTCAGTGAAGAGGAGGCT  
 TTTCAGTACCCTGCCCAACAAGTTCGCTGAAGAAGCCCTCGAAGAACTAGCTCGGGACGAGCAAGGTG  
 CTTTACTCCTAGGGCACGAGCTACAGAGCCTCCTGAAAACGGCCCGGAAGAAGCACAAGTATCCTCAGA  
 CTCACACTCCTCTCCTGGCCAGAAGGCTGTGGGTCTGACGTCTCCAGCTTCCAGAACCCACAGTGCC  
 AATCTCGACATCACAGGGCTTGACCAATTCTAGTAGAGTCCGAATCGTCTCAGCTGGGGAGCTGGAGG  
 CCGGGGAGCTGGTGATAGATGACTCTTACAGGGAGATCAAGAAGAAGAAGTCAAAAAGAGCAAAAA  
 GAAGAAGGACAAAGACAGACACAAGGAGAAGCGGCACTCCCGACCAAGAGAAGCTTCCAGAGAGCAC  
 GGTACTGCTCGGAGCACGGGCTGATACCTGGCCCTGCCTCCAGTGTCCCACCTGCCACTTCTGGCTC  
 TACACACAGATGGACACGGGGAGAAGAAAAGAAAAGGGAAGACAAAGACAGAGACAGAGAGGGGCTC  
 AAAGCCGAAAAAGAAGAACATGTCTGCCTACCAGGTATTCTGTAAGGAGTACCGGTAACCATTTGGCT  
 GACCATCCAGGTATAGATTTTGGGAACTTAGTAAAAAATTGGCTGAAGTATGGAAGCAGTTGCCAGAAA  
 AAGACAACTGATCTGGAAGCAAAGGCTCAGTATCTGCAGCACAAACAGAACAAAGCTGAAGCCACAAC  
 TGTGAAGAGAAAAGCATCCAGCGCAGAAGGTTCCATGAAAGTCAAGAGCCTCTTCTGTAGGAGTACTGTCA  
 CCCCAAAAGAAAGTCCCACCCACCACAATGCTTTTCCAGCCTCACAGCCAAAGCTCCTGAAACAGAGC  
 CCATTGATGTCGCTGCTCATCTCCAGTTGCTGGGAGAGTCCCTCAGCCTCATTGGACACCGCCTACAGGA  
 GACAGAGGGCATGGTGGCAGTGTCTGGAAGCTTGTGAGTCTCCTAGATTCCATTATCTGTGCTCTTGGC  
 CCTCTGGCATGCCTGACCACAACTACCTGAAGTGAACGGCTGTCTAAACAGGCTTTGTCAAACACGC  
 TGGACAACATTGCATACATTATGCTGGACTG

**ACGCGT**ACGCGGCGGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR209255 protein sequence  
 Red=Cloning site Green=Tags(s)

MAYDDSMKKEDCFDGDHSFEDIGLAAGRSQREKKRSYKDFLREEEVAAQVRSSSKKSKDSDLFFLGTD  
 THKKRKHSPDDYYYGDISTLESSQKKKKSSPQSPDTAMDLLKAITSPLAAGAKSSKAGEKSSSSSSH  
 PESRKEHHKKKNGSSGELSLDDSNHKSMMKPLVYNTETLTLREPDGLKMKLILSPKEKSSSVEEEA  
 FOYPAQQASLKKPSKKLARDEQGALLLGHQLSLLKTARKKHKSSSDSHSSPGECCGSDVSQLPEPHSA  
 NLDITGLDPIILVESESSAGELEAGELVIDDSYREIKKKKSKKSKKKDKDRHKEKRSRTKRSSAREH  
 GTAREHGLIPGPASSVPTLPLPALHTDGHGKRRKDRDRERGEKPKKNMSAYQVFCKEYRVTIVA  
 DHPGIDFGELSKKLAEVWQLPEKDKLIWKQAQYLQHKQNKAEATTVKRKASSAEGSMKVRASSVGLS  
 PQKKSPTTMLLPASPAKAPETEPIDVAHLQLLGEKSLIIGHRLQETEGMVAVSGSLVLLDSIICALG  
 PLACLTTQLPELNGCPKQVLSNTLDNIAYIMPGL

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**


**ACCN:** NM\_178017

**ORF Size:** 1785 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\\_178017.2](#)

**RefSeq Size:** 3924 bp

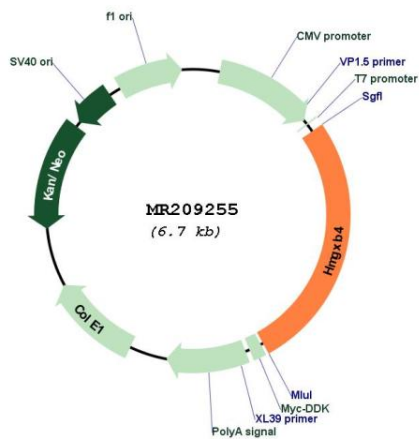
**RefSeq ORF:** 1785 bp

**Locus ID:** 70823

**Cytogenetics:** 8 C1

MW: 65.4 kDa

Product images:



Circular map for MR209255