

## Product datasheet for **MC203088**

### **Cbx6 (NM\_028763) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Cbx6 (NM_028763) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cbx6
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >BC048240  
 GTGGGTGCCGCTGAGCAAGATGGAGCTGTCTGCAGTAGGCCGAGCGGGTCTTCGCGGCCGAATCCATCATT  
 AAACGCCGGATCCGCAAGGGACGCATCGAGTACCTGGTGAATGGAAAGGGTGGGCGATCAAGTACAGCA  
 CTTGGGAGCCAGAGGAGAACATTCTGGATTTCGAGGCTCATCGCAGCCTTCGAGCAGAAGGAAAGGGAACG  
 TGAGCTGTATGGGCCAAGAAGAGGGGACCTAAACCCAAAACCTTCTCCTAAAGGCCCGGGCCAGGCG  
 GAGGCCCTCCGCATCAGTGTATGTGCAATTTCTCTGTCAAGCCGAGCGCCAGCGCCTCCTCGCCCAAGTGC  
 ACTCCAGCGCTGCGGTGCACCGGCTCAAGAAAGACATCCGCCGCTGCCACCGTATGTCTCGCCGTCCTC  
 GCCACGACCAGACCCACAAGGGGTAGCCCTGGCCTACGCCACCCATCTCGCCCTTTTCTGAGACCGTG  
 CGCATCATCAACCGTAAGGTGAAGCCCCGGGAGCCCAAGCGGAACCGCATCATCTGAACCTGAAGTGA  
 TTGACAAGGGTCCGGGAGGTGGCAGCACTGCGCAGGGCACCGGGGCACTGGCCCGCCGAAAGTCCCTC  
 GCGGAACCGGGTATTGGGAAGAGCAAGAAGTTCAGCGAGAGCATGCTCCGTACCCAGATCCGCCACATG  
 AAGTTTGGCACATTTGCGCTCTACAAGCCCCCTCCTGCCCTCTGGCGCCTCTACTGCGGGCAAAGCCG  
 ATGTGGCTCCTCGGGCCTGGGCTGCTCCTGGCCACCCAGTCTGCTGCCCTTTGACGCACACAGCTC  
 CAGCTCTTCGGCTGCCCTCACCCACTGCAGTCTCTGACCCAGACGATGCACCACCAAGCTACTC  
 CCGGAGACCTGAGCCGATCTGTGCCAACTGGCGAGAGTCAAGAGTGTGATCTGTCCATCCCTCCTG  
 AGCGCGCTGCCACCGCCAGCGGTGCCTCCTGATGTACTGGTGTGCGGACCAGGCGCTACATACAGC  
 TCTGGAGCCACAGGTGCTGGCTCCTCCGAGCCTGAGGCTGGGGACTGGCGCCCCGAGATGTCCCATGC  
 TCCAATGTAGTTGTACAGATGTACCAGCAACCTCCTGACCGTGACCATCAAGGAATTCTGACGCCCGG  
 AGGATTTTGAGAAGGTGGCCGCTGGGGTGGCAGGTGCTACAGGGGGCGGGGTGGCACTGGGCCAAGTAA  
 GTGAGGGGCTTCTCAAGGAGGGGGGCTTTGGGGGCTCCTTCTGGAGTACTACTTGTCTCCACCC  
 CGTCCCTGCCCTCAGACCCGATGCCTGTGCTTAGCTTGCCTCAGATGGCTCAGTGTGACCCAGGGATA  
 GGGCTGGTAGCCCTGGACTTGGTAGGGCTTGGTAGGGCTTAGAAAGGAAGATCTGCTCCCTAGTGTAC  
 CTGGCACTGTCCTGACTGTGCAGGTGGGGCCACTAGATGGTTTCTGGGGGATCCCAACATGGGGT  
 TCACCTATCCTATCTACATCCCCCACCCTGCCTCCTAGCTTGCCTTGTCTGTGTGCAAGTGTGTTG  
 GTCTCGGTGCTATCTCGCCATCTGCAGGGCCCCAGGAGATCCCGCCTAGGGTGGGCACAGGCTCTCACC  
 ACCCTGGCACTGAGTGAAGGATGAGGCCAAAATGGGTCCCTCCCTCGACACCATTGAGGGTGGCAGCAGC  
 TGGGCCAGAGGTCCGCTTCCCTGCTTGCCTACGTGTGGACCAGGCCTATGCAGATCTCTTCCCCACACA  
 CTGTCTATCCCAAACCCCTTTTGAAGGTGGAGGGGCTGGCAGACATGGCACCCGCCACAGCCTCTGG  
 GTATCTGAAAACCCCTTCCGTTTTCTACCAAAGGTGCTGCAAGAACCTGCTGTAGAACTTCTGGCTGTG  
 CATGTGTGTTTGGCCCTTGGCTCCTTCTGTGTAGATCCGTGTGTGTGTGGTGGCAGGGCCTTAGTT  
 TTCCTGCAACACCCCTTACGGTTCCTCAGAACAGGGTGCCTGAAGGCGTGGCCTCCCTTGCCTTAGCCA  
 GGCTGGCACAGTCCAGTCTGTGCGGTTTGTCTGTGGAAGCCACAGGCCACTCTGATCCCAGTTGCTGGG  
 GGACGTGGAGCCACCTCAGGCCCTTCTGGGATGGTCATCTTGAAGGTGAGATCTTCACTGCAGATGTGG  
 TACTGTGGGGACTGGTAGAGGAAGAGCCAGCTACAGCCTCCTCTTGCAGATGTTTGGGAGGAAAGAGG  
 AGGCCTAGAGACCTCCCCGGGTCTCAGTTTCCCCCACCTTCCAGTTTGTCTTTAACTGCTGAGGTTT  
 CCTAACAGCCTAGCCTGTTGGAAGACTTCGGGTGCCTTGGGCAGCGTCTGTTGCCCTCTGCTGCTAGGGA  
 ACTGAGGCATCCATGCCAATGGCAGAGACCAAAGCCCCAGATTCAGGCCAGGCACTGGGAGACTAGCAGG  
 GAGGGAGGGAGGTGCCGGTCCCCAGCGGCACTGGCCTGCCCTTGGCCACTGCCTGGGATCACCTGGGC  
 GTTGACCAGAGTGTCTGTATGTGGCCTGAGCTGGCTTCTGGTGTACACAGCCCTTGGTAGCTGTCTCA  
 GAAGCATGGGAAGAGGCAGAAGCAGTGACCTTAGGACAAGTATTCTGGTCTTAGAGGAAGATACTCTCC  
 TTTACCAGCCTGCCTGCCAGGGTCTGCAGCACAGCCCCAGCCCTCCTTGGCCAGGGTATAAAACAGGG  
 GCCCTCACAGGGCTTGGGGGGCCACAGTCTGGCCCCACCTTGTCCCGTGTAGCTCTCATACCGTCCAA  
 GTGCCAATTGGCTTTTCCCCAAATAAGGGCTGGTATTTGCCTCTGTCCCCAGAGGTGATTTCCCCCTC  
 CCCCTCCCCAGGTGAACCACCACTGGGTGCCAGTTACAGGTGTTTGCAGAGACCATAGAAATGTGTTT  
 TCCTGAGAGTCTGTGTCATTTGTGACCTTTTTTGTAAAGAAGTGTGTTTTTCAGAGGTGATTTTATGAC  
 AGGAAAGTGAAAGTTAGTTTTGCAAAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** RsrII-NotI  
**ACCN:** NM\_028763  
**Insert Size:** 1245 bp

<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">BC048240</a> , <a href="#">AAH48240</a>
<b>RefSeq Size:</b>	3124 bp
<b>RefSeq ORF:</b>	1245 bp
<b>Locus ID:</b>	494448
<b>UniProt ID:</b>	<a href="#">Q9DBY5</a>
<b>Cytogenetics:</b>	15 E1
<b>Gene Summary:</b>	Component of a Polycomb group (PcG) multiprotein PRC1-like complex, a complex class required to maintain the transcriptionally repressive state of many genes, including Hox genes, throughout development. PcG PRC1 complex acts via chromatin remodeling and modification of histones; it mediates monoubiquitination of histone H2A 'Lys-119', rendering chromatin heritably changed in its expressibility. Possibly contributes to the target selectivity of the PRC1 complex by binding specific regions of chromatin (By similarity). Recruitment to chromatin might occur in an H3K27me3-independent fashion (PubMed:22226355, PubMed:16537902). May have a PRC1-independent function in embryonic stem cells (PubMed:22226355).[UniProtKB/Swiss-Prot Function]