

## Product datasheet for **MC208224**

### **Cbx1 (NM\_007622) Mouse Untagged Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Cbx1 (NM_007622) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cbx1
Synonyms:	Cbx; Cbx-rs2; E430007M08Rik; HP1B; Hp1beta; M31; MOD1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC208224 representing NM_007622 <b>Red</b> =Cloning site <b>Blue</b> =ORF

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGGGAAAAAGCAAACAAGAAGAAAGTGGAGGAGGACTAGAAGAAGAGGAAGAGGAATATGTGGTGG  
AAAAAGTTCTTGATCGGCGAGTTGTCAAGGGCAAGGTGGAATATCTTCTAAAGTGAAGGGTTTCTCAGA  
TGAGGACAACACTTGGGAGCCAGAAGAGAATCTGGATTGCCCTGACCTTATTGCTGAGTTTCTACAGTCA  
CAGAAAACAGCTCATGAGACAGATAAGTCAGAGGGAGGCAAGCGCAAAGCTGATTCTGATTCTGAAGATA  
AAGGAGAGGAAAGCAAACCAAAGAAGAAGAAGAGAGTCAGAAAAGCCACGAGGCTTTGCCCGGGTTT  
GGAGCCAGAGCGGATTATTGGAGCTACTGACTCCAGTGGAGAGCTCATGTTCTGATGAAATGGAAAAAC  
TCTGATGAGGCTGACCTGGTCCCTGCCAAGGAAGCCAATGTCAAGTGCCACAGGTTGTCATATCCTTCT  
ATGAGGAAAGGCTAACGTGGCATTCTACCCCTCAGAGGATGATGACAAAAAAGACGACAAGAATTAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Chromatograms:	<a href="https://cdn.origene.com/chromatograms/ja1557_c08.zip">https://cdn.origene.com/chromatograms/ja1557_c08.zip</a>
Restriction Sites:	Sgfl-Mlul
ACCN:	NM_007622
Insert Size:	558 bp



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<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="#">NM_007622.3</a> , <a href="#">NP_031648.1</a>
<b>RefSeq Size:</b>	1274 bp
<b>RefSeq ORF:</b>	558 bp
<b>Locus ID:</b>	12412
<b>UniProt ID:</b>	<a href="#">P83917</a>
<b>Cytogenetics:</b>	11 60.11 cM
<b>Gene Summary:</b>	Component of heterochromatin. Recognizes and binds histone H3 tails methylated at 'Lys-9', leading to epigenetic repression. Interaction with lamin B receptor (LBR) can contribute to the association of the heterochromatin with the inner nuclear membrane.[UniProtKB/Swiss-Prot Function]