

## Product datasheet for **SC319326**

### CBX8 (NM\_020649) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CBX8 (NM_020649) Human Untagged Clone
Tag:	Tag Free
Symbol:	CBX8
Synonyms:	PC3; RC1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene sequence for NM\_020649.1  
 ATGGTCTGTCGTGCGCTGGCTGCTTTTCTGCTCCTGGAAGCGGCCAAGGGGGGAAGC  
 GCGGAGTCAACATGGAGCTTTCAGCGGTGGGGGAGCGGGTGTTCGCGGCCGAAGCCCTCC  
 TGAAGCGGCGCATACGGAAAGGACGCATGGAATACCTCGTGAAATGGAAGGGATGGTCGC  
 AGAAGTACAGCACATGGGAACCGGAGGAAAACATCCTGGATGCTCGCTTCTCGCAGCCT  
 TTGAGGAAAGGGAAAGAGAGATGGAGCTCTATGGCCCCAAAAGCGTGGACCCAAGCCCA  
 AAACCTTCTCTCAAAGCGCAGGCCAAGGCAAAGGCCAAAACCTACGAGTTTCGAAGTG  
 ACTCAGCCAGGGGCATCCGGATCCCCTACCCTGGCCGCTCGCCCCAGGACCTGGCCTCCA  
 CTTCGCCGGCCCCGGGAGGGCCTTCGAAACATGGGTTTGTCCCCGCCAGCAGCAGCACCA  
 GCACCAGCAGCACCTGCCGCGCAGAGGCCCTCGGGACCGGGACCGAGACCGGGATAGGG  
 ACCGGGAGCGGGATCGAGAAAGGGAGAGGGAGCGAGAGAGGGAGCGGGAACGTGAGAGGG  
 AACGAGAGCGGGTACCAGCAGAGTGGATGACAAGCCAGCTCACCGGGGACAGCTCGA  
 AGAAGCGAGGCCCAAGCCCCGGAAGGAGCTCCCGGACCCCTCACAGAGGCCCTTAGGCG  
 AACCCAGCGCCGGCTCGGAGAGTACCTCAAGGGCAGGAAGCTGGACGACACCCCTTCCG  
 GGGCAGGAAAGTTTCCAGCCGGCCACAGTGTGATCCAGCTGGCCCCGAAGACAGGACTCGG  
 ACCTGGTGCAGTGTGGTGTGACCAGCCCTAGCTCAGCTGAGGCCACGGGCAAACCTGGCTG  
 TGGACACCTTCCCGCCAGGGTGATAAAGCACAGGGCTGCCTTCTGGAGGCCAAAGGCC  
 AGGGTGCCTAGATCCCAATGCCACCCGGGTCCGACATGGCTCAGGCCCCCCCAGCTCTG  
 GGGGGGCCTGTACCGGACATGGGGGCCAGGGGGGAAGGCCCTCCCTCATCGCCAGGA  
 TCCTGTGGCCAGAATCCTGGGGACCCGGAGGAAGAGTCTGGAGCCCTCCCTGACTA  
 ACCTGGAGAAGGTGGTGGTACCGACGTGACCTCAAACCTTTTGGACCGTACCATTAAGG  
 AAAGTAACACGGACCAAGGCTTTTTTAAAGAGAAAAGATGAATGCTGGGTGGGTGTGTC  
 AGGAGGAGAGCAGGGGAGAGAGTGAAGCTGAGCTTGGCATAGTATTTTTATTTCTGGGT  
 GGGATGTGGCCTTTTGGCTGGTCCCGTCCCTGATGTCACCCCCACCCACCAGCCCTTT  
 CATCCCTCCTTCCCTCCCTCAGTTTTTGTGGAAAGATTATCTCTAGAGTTATATTTTC  
 TATTAGATGTAATATGTTATTTAAGAAAAATATCTAAATATATATTTCAAAAAAAAAA  
 AAAAAAAAAA



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<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_020649
<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>OTI Annotation:</b>	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
<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>	<u><a href="#">NM_020649.1</a></u> , <u><a href="#">NP_065700.1</a></u>
<b>RefSeq Size:</b>	1542 bp
<b>RefSeq ORF:</b>	1170 bp
<b>Locus ID:</b>	57332
<b>UniProt ID:</b>	<u><a href="#">Q9HC52</a></u>
<b>Cytogenetics:</b>	17q25.3
<b>Domains:</b>	CHROMO
<b>Protein Families:</b>	Transcription Factors
<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.[UniProtKB/Swiss-Prot Function]