

Product datasheet for **SC123837**

CBX6 (NM_014292) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: CBX6 (NM_014292) Human Untagged Clone
Tag: Tag Free
Symbol: CBX6
Vector: pCMV6-XL5
E. coli Selection: Ampicillin (100 ug/mL)
Cell Selection: None
Fully Sequenced ORF: >OriGene sequence for NM_014292 edited

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GGCTGTGGGTGCCGCTGAGCAAGATGGAGCTGTCTGCAGTGGGCGAGCGGGTCTTCGCGG
CCGAATCCATCATCAAACGGCGGATCCGAAAGGGACGCATCGAGTACCTGGTAAATGGA
AGGGGTGGGCGATCAAGTACAGCACTTGGGAGCCCGAGGAGAATCCTGGACTCGCGGC
TCATTGCAGCCTTCAACAAAAGGAGAGGGAGCGTGAGCTGTATGGGCCAAGAAGAGGG
GACCCAAACCCAAAACCTTCTCCTGAAGGCGCGGGCCAGGCCGAGGCCCTCCGCATCA
GTGATGTGCATTTCTGTCAAGCCGAGCGCCAGTGCCTCCTCGCCAAGCTGCACTCCA
GGCAGCCGTGCACCGGCTCAAGAAGGACATCCGCCGCTGCCACCGTATGTCCCGCGTC
CCCTGCCCGCCCGGACCCGAGGGGGGAGCCCGGACTGCCCGGCCCATTTCCGCCT
TCTCGGAGACGGTGCATCATCAACCGCAAGGTGAAGCCGCGGGAGCCCAAGCGGAACC
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GGGCGGGGGCGTGGCCGCCCAAGTCCCCTCGCGGAACCGCATTATAGGCAAGAGCA
AGAAGTTCAGCGAGAGCGTCTGCGTACACAGATCCGCCACATGAAGTTCGGCGCCTTTG
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CCACCCTGGAATGGGGCAGGGGAAGGGCACACCCCTGCCCATGCATGGTAGCCACTGG
GTGGTTTCTGAAAGCCCTAGAACTAGGGTTCCTCTGCCCTTCCACATCCCACCTGTC
TCTCTAGCTTGTCTCCTGCTCCTGTGCGCGCTGATTTCTCGGTGCTAACCTGGCAG
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TGCCTAGGCAGGAGGAGGCTTCTGCCTGTTGGCAAAGTCCCAGGCAGAGGCCAAGGA
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TGAGGCCTGACTCGGCTCCTCCCTCCACATCAGCCAGGGCATCAGAAGTTGGGCCAGGGC
 GGGGTCTTCCCTGCTCGATTTTGGACGAGGCCTAAGTAGACCCCTATGCCCTGCCCCAG
 CCCTGGCTCTTTCCTAACCCCTCAACGGTGGGAGGAAGTGGCAGAGGGTGCCTGGCC
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 GTGCCCCCACCCTGCCCTCCTCAGGGTGGTCAAGCCAACTGTCCGACCTTCACTT
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 GGTGATGACCACCTGGGTGCCAGTTACAGGTGTTTCCAGAGACCATAGAATGTGTTTT
 CCTGAGAGTTCTGTGCTTTCGTGACTTTTTTTGTAAGAAGTTGTGTTTTTTCAGAGGTGAT
 TTATGACAGGAAAGTGAAGAATTAGTTTTGCAAAAAACAAAAACAAAAA

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_014292 unedited
 AAAAAACCGTACAGGATTTTGTAAACGACTTACTATAGGCGCCGNAATTCGCACGAG
 GGGCTGTGGGTGCCGCTGAGCAAGAGGAGCTGTCTGCAGTGGGCGAGCGGTCTTCGCGG
 CCGAATCCATCATCAAACGGCGGATCCGAAAGGACGCATCGAGTACCTGGTGAATGGA
 AGGGTGGGCGATCAAGTACAGCACTTGGGAGCCGAGGAGAACATCCTGGACTCGCGGC
 TCATTGCAGCCTTGAACAAAAGGAGAGGGAGCGTGTGATGGGCCAAAGAAGAGGG
 GACCCAAACCCAAAACCTTCTCCTGAAGGCGCGGCCAGGCCGAGGCCCTCCGCATCA
 GTGATGTGATTTCTGTCAAGCCGAGCGCCAGTGCCTCCTCGCCAAGCTGCACTCCA
 GCGCAGCCGTGCACCGGCTCAAGAAGGACATCCGCGCTGCCACCGTATGTCGCCCGTC
 CCCTGCCCGCCCGGACCCGAGGGGGCAGCCCGGACTGCGCCCGCCATTTCCGCTT
 TCTCGGAGACGGTGCATCATCAACCGCAAGGTGAAGCCGCGGGAGCCCAAGCGGAACC
 GCATCATCCTGAACCTGAAGGTGATCGACAAGGCGCTGGGCGGGCNGTNNNNNNNGGCN
 NNTGGCNGGGNCCCGGNGGNCNTTNCGGCCCGGCGGGGCCNCGCCCCCGCGN
 CCGCGGGGAACCCGGGAGGGGCCCGGCTGGGCCGGGTGCGCCCCGGGCCNNTTCTG
 GCTCTTNTCCTTTTTTCTGGGGCGGATCCCGCTGTTTTGGTTCCTTTGCCGGG
 CTGGGCTCCCGGGGCCGGCCCTGGGCTTGTGCGGGGCGCCCTGCTA

Restriction Sites:

Please inquire

ACCN:

NM_014292

Insert Size:

2500 bp

OTI Disclaimer:

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).

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:	<ol style="list-style-type: none">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_014292.3 , NP_055107.3
RefSeq Size:	3284 bp
RefSeq ORF:	1239 bp
Locus ID:	23466
UniProt ID:	O95503
Cytogenetics:	22q13.1
Protein Families:	Transcription Factors
Gene Summary:	<p>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 (PubMed:21282530). 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 (PubMed:18927235). Recruitment to chromatin might occur in an H3K27me3-independent fashion (By similarity). May have a PRC1-independent function in embryonic stem cells (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>