

Product datasheet for **SC322874**

CBX1 (NM_001127228) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CBX1 (NM_001127228) Human Untagged Clone
Tag:	Tag Free
Symbol:	CBX1
Synonyms:	CBX; HP1-BETA; HP1Hs-beta; HP1Hsbeta; M31; MOD1; p25beta
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC322874 representing NM_001127228. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGGGGAAAAACAACAAGAAGAAAGTGAGGAGGTGCTAGAAGAGGAGGAAGAGGAATATGTGGTG
GAAAAAGTTCTCGACCGTCGAGTGGTAAAGGGCAAAGTGGAGTACCTCCTAAAGTGAAGGGATTCTCA
GATGAGGACAACACATGGGAGCCAGAAGAGAACCTGGATTGCCCGACCTCATTGCTGAGTTTCTGCAG
TCACAGAAAACAGCACATGAGACAGATAAATCAGAGGGAGGCAAGCGCAAAGCTGATTCTGATTCTGAA
GATAAGGGAGAGGAGAGCAAACCAAGAAGAAGAAGAGTCAGAAAAGCCACGAGGCTTTGCTCGA
GGTTTGGAGCCGGAGCGGATTATTGGAGCTACAGACTCCAGTGGAGAGCTCATGTTCTGATGAAATGG
AAAACTCTGATGAGGCTGACCTGGTCCCTGCCAAGGAAGCCAATGTCAAGTGCCACAGGTTGTCATA
TCCTTCTATGAGGAAAGGCTGACGTGGCATTCTACCCCTCGGAGGATGATGACAAAAAAGATGACAAG
AACTAA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites:	Sgfl-MluI
ACCN:	NM_001127228
Insert Size:	558 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).



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OTI Annotation:	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.
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_001127228.1
RefSeq Size:	2253 bp
RefSeq ORF:	558 bp
Locus ID:	10951
UniProt ID:	P83916
Cytogenetics:	17q21.32
MW:	21.4 kDa
Gene Summary:	<p>This gene encodes a highly conserved nonhistone protein, which is a member of the heterochromatin protein family. The protein is enriched in the heterochromatin and associated with centromeres. The protein has a single N-terminal chromodomain which can bind to histone proteins via methylated lysine residues, and a C-terminal chromo shadow-domain (CSD) which is responsible for the homodimerization and interaction with a number of chromatin-associated nonhistone proteins. The protein may play an important role in the epigenetic control of chromatin structure and gene expression. Several related pseudogenes are located on chromosomes 1, 3, and X. Multiple alternatively spliced variants, encoding the same protein, have been identified. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1 and 2 encode the same protein.</p>