

## Product datasheet for **SC312821**

### CBX4 (BC014967) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CBX4 (BC014967) Human Untagged Clone
Tag:	Tag Free
Symbol:	CBX4
Synonyms:	chromobox homolog 4; chromobox homolog 4 (Pc class homolog, Drosophila); hPC2; NBP16; NS5ATP1-binding protein 16; PC2
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for BC014967, the custom clone sequence may differ by one or more nucleotides ATGGAGCTGCCAGCTGTTGGCGAGCACGTCTTCGCGGTGGAGAGCATCGAGAAGAAGCGG ATCCGCAAGGGCAGAGTGGAGTATCTGGTGAAATGGAGAGGCTGGTCGCCAAATATAAC ACGTGGGAACCGGAGGAGAACATCCTGGACCCCAGGCTGCTGATCGCCTCCAGAACAGG GAACGGCAGGAGCAGCTGATGGGATATCGGAAGAGAGGGCCGAAGCCAAACCGTAGTG GTGCAGGTGCCTACCTTTGCCCGTCGTTCCAATGTCCTGACCGGCCTCCAGGACTCCTCC ACTGACAACCGTGCCAAGCTGGATTTGGGCGCGCAGGGGAAGGGCCAGGGGCATCAGTAC GAGCTCAACAGCAAGAAGCACCACCACCGCGTCGGCTGAATCTCTCCACGTGCGC AAGCGTGCCTCTCCGAGACCCACGGCGAGCGGAGCCCTGCAAGAAGCGGCTGACTGCG CGCAGCATCAGCACCCCCACCTGCCTGGGGGGCAGCCCAGCCGCTGAGCGCCCGCGCGAC CTGCCACCAGCCCGCCCTCCCGCAGCCCGAGGTCATCCTGCTAGACTCAGACCTGGAT GAACCCATAGACTTGCCTGCGTCAAGACGCGCAGCGAGGCCGGGGAGCCGCCAGCTCC CTCCAGGTGAAGCCCAGACACCGCGTCGGCGCGGTGGCGGTGGCGGGCAGCGGCA CCCACCAGCAGCGGAGAAAGCCTCCAGCCGAGGCCAGGACGAACCTGCAGAGTCGCTG AGCGAGTTCAAGCCCTTTTGGGAATATAATTACCCGACGTCACCGGAACTGCCTC ACCGTTACTTTCAAGGAGTACGTGACGGTG
Restriction Sites:	Please inquire
ACCN:	BC014967
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).
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.



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<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="#">BC014967.1</a> , <a href="#">AAH14967.1</a>
<b>RefSeq Size:</b>	1578 bp
<b>RefSeq ORF:</b>	1578 bp
<b>Locus ID:</b>	8535
<b>Cytogenetics:</b>	17q25.3
<b>Domains:</b>	CHROMO
<b>Protein Families:</b>	Druggable Genome, Transcription Factors
<b>Gene Summary:</b>	E3 SUMO-protein ligase which facilitates SUMO1 conjugation by UBE2I (PubMed:12679040). Involved in the sumoylation of HNRNPK, a p53/TP53 transcriptional coactivator, hence indirectly regulates p53/TP53 transcriptional activation resulting in p21/CDKN1A expression. Monosumoylates ZNF131 (PubMed:22825850).[UniProtKB/Swiss-Prot Function]