

Product datasheet for **SC108628**

CGBP (CXXC1) (NM_014593) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CGBP (CXXC1) (NM_014593) Human Untagged Clone
Tag:	Tag Free
Symbol:	CGBP
Synonyms:	2410002I16Rik; 5830420C16Rik; CFP1; CGBP; hCGBP; HsT2645; PCCX1; PHF18; SPP1; ZCGPC1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_014593, the custom clone sequence may differ by one or more nucleotides

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ATGGAGGGAGATGGTTCCAGACCCAGAGCCTCCAGATGCCGGGGAGGACAGCAAGTCCGAGAATGGGGAGA
ATGCGCCCATCTACTGCATCTGCCGAAACCGGACATCAACTGCTTCATGATCGGGTGTGACAACTGCAA
TGAGTGGTTCCATGGGGACTGCATCCGGATCACTGAGAAGATGGCCAAGGCCATCCGGGAGTGGTACTGT
CGGGAGTGCAGAGAGAAAGACCCCAAGCTAGAGATTGCTATCGGCACAAGAAGTACGGGAGCGGGATG
GCAATGAGCGGGACAGCAGTGTAGCCCGGGATGAGGGTGGAGGGCGCAAGAGGCCTGTCCCTGATCCAGA
CCTGCAGCGCCGGGACAGGGTCAAGGACAGGGGTTGGGGCCATGCTTGCTCGGGGCTCTGCTTCGCCCCAC
AAATCCTCTCCGAGCCCTTGGTGGCCACCCAGCCAGCATCACCAGCAGCAGCAGCAGCAGATCAAAC
GGTCAGCCCGCATGTGTGGTGTGTGAGGCATGTGCGGCGACTGAGGACTGTGGTCACTGTGATTTCTG
TCGGGACATGAAGAAGTTCGGGGCCCCAACAAGATCCGGCAGAAGTCCGGGCTGCGCCAGTGCCAGCTG
CGGGCCCGGGAATCGTACAAGTACTTCCCTTCTCGCTCTCACCAGTGACGCCCTCAGAGTCCCTGCCAA
GGCCCCCGGGCCACTGCCACCCAACAGCAGCCACAGCCATCACAGAAGTTAGGGCGCATCCGTGAAGA
TGAGGGGGCAGTGGCGTCATCAACAGTCAAGGAGCCTCCTGAGGCTACAGCCACACTGAGCCACTCTCA
GATGAGGACCTACCTCTGGATCCTGACCTGTATCAGGACTTCTGTGCAGGGGCCCTTTGATGACCATGGCC
TGCCCTGGATGAGCGACACAGAAGAGTCCCATTCCTGGACCCCGCGCTGCGGAAGAGGGCAGTGAAGT
GAAGCATGTGAAGCGTCGGGAGAAGAAGTCTGAGAAGAAGAAGGAGGAGCGATACAAGCGGCATCGGCAG
AAGCAGAAGCACAAGGATAAATGGAAACACCCAGAGAGGGCTGATGCCAAGGACCCTGCGTCACTGCCCC
AGTGCCTGGGGCCCGCTGTGTGCGCCCCGCCAGCCAGCTCCAAGTATTGCTCAGATGACTGTGGCAT
GAAGCTGGCAGCCAACCGCATCTACGAGATCCTCCCCAGCGCATCCAGCAGTGGCAGCAGAGCCCTTGC
ATTGCTGAAGAGCACGGCAAGAAGCTGCTCGAACGCATTGCGCGAGAGCAGCAGAGTGGCCGCACTCGCC
TTCAGGAAATGGAACGCCGATTCCATGAGCTTGAGGCCATCATTCTACGTGCCAAGCAGCAGGCTGTGCG
CGAGGATGAGGAGAGCAACGAGGGTGTGACAGTGTGACACAGACCTGCAGATCTTCTGTGTTTCTGTGGG
CACCCCATCAACCCACGTGTTGCTTGCGCCACATGGAGCGCTGTACGCCAAGTATGAGAGCCAGACGT
CCTTTGGGTCCATGTACCCACACGCATTGAAGGGGCCACACGACTCTTCTGTGATGTGATAATCCTCA
GAGCAAAACATACTGTAAGCGGCTCCAGGTGCTGTGCCCCGAGCACTCACGGGACCCCAAAGTGCCAGCT
GACGAGGTATGCGGGTGGCCCCCTGTACGTGATGTCTTTGAGCTCACGGGTGACTTCTGCCGCTGCCCA
AGCGCCAGTGAATCGCCATTACTGCTGGGAGAAGCTGCGGCGTGCAGGAGTGGACTTGGAGCGCGTGCG
TGTGTGGTACAAGCTGGACGAGCTGTTGAGCAGGAGCGCAATGTGCGCACAGCCATGACAAACCGCGG
GGATTGCTGGCCCTGATGCTGCACCAGACGATCCAGCACGATCCCCTCACTACCGACCTGGCTCCAGTG
CCGACCGCTGA
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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_014593 unedited</p> <pre>GTCAGATTTTGTAAACGACTTACTATAGGGCGGCCGNAATTCGCACCAGGCCTGGGA CGCCGCCGAGTGGTCTGTGCAGGTTTCGCGGGTTCGCTGGCGGGGTCGTGAGGGAGTGCGC CGGGAGCGGAGATATGGAGGGAGATGGTTTCAGACCCAGAGCCTCCAGATGCCGGGGAGGA CAGCAAGTCCGAGAATGGGGAGAATGCGCCCATCTACTGCATCTGCCCAAACCGGACAT CAACTGCTTCATGATCGGGTGTGACAACTGCAATGAGTGGTCCATGGGGACTGCATCCG GATCACTGAGAAGATGGCCAAGGCCATCCGGGAGTGGTACTGTCCGGGAGTGCAGAGAGAA AGACCCAAGCTAGAGATTCGCTATCGGCACAAGAAGTCACGGGAGCGGGATGGCAATGA GCGGGACAGCAGTGAGCCCCGGGATGAGGGTGGAGGGCGCAAGAGGCCTGTCCTGATCC AGACCTGCAGCGCCGGCAGGGTCAGGGACAGGGGGTTGGGGCCATGCTTCTCGGGGCT CTGCTTCGCCCCACAAATCCTCTCCGCAGCCCTTGGTGGCCACACCCAGCCAGCATCACC AGCAGCAGCAGCAGCAGATCAAACGGTCACCCGCATGTGNTGGTGTGAGGCATGTC GGCGCACTGAGGACTGTGGTACTGTGATTTCTGTGGCTGGAAGAGTTTTCNNGGGGGCC CAACAGATCCGGCAGAGTCCCGCTGCGCCAGTCCCGCTGCGGGCCCGGGGATCGTACA AGTACTTCCCTTCTCGCTCTCACCAGTGACGCCCTCAGAGTCTGCCAAGCNCNCCGCC GGCCACTGCCACCCACAGCAGCACAGCTTNCANAAAAAATTAGCGCATCGTGTAAAAT AGGGGGGGCACGGGGCGTCATCACAGTCAAGGACCTTCTGAGGCTCAGCCACACTGAGCC TCTCAAAGAGACTACTTTGG</pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_014593 unedited</p> <pre>CCTTTCTTNCAAATTTTTATAACAAAACCCAGGNGNAGAGGCAGGGTGTGAGTGACTCCGC AGCCCCACCAGCACTGAACATGTGACGGGGACAGTCCCTCTGATAAAGGCAGATGGGCG GTCAACCCGGTGGATGGGCACAGGGAGAACCAGGAGAAACAGATGAGTGGAGGAACGGACAC ACGGGCACCGGGCGGCTCCCCATCTGGAATGCAGGGTGTAAAGGGTCCGGGCCAGGAGG CTCAGCGGTGGCACTGGAGCGCAGGTCCGTAGTGGGGGATCGTGTGGATCGTCTGGT GCAGCATCAGGGCCAGCAATCCCGCGGGTTTGTGATGGCTGTGCGCACATTGCGCTCCT GCTCAAACAGCTCGTCCAGCTTGTACCACACACGCACGCGCTCCAAGTCCACTTCCGCAC GCCGCAGCTTCTCCAGCAGTAATGGCGATTGCACTGGCGCTTGGGCAGGCGGCAGAAAGT CACCCTGAGCTCAAAGACATCACGTACAAGGGGGCACCCGCATACCTCGTCAGTGGCA CTTTGGGGTCCCGTGGTGTGCTCGGGGCACAGCACCTGGAGCCGTTACAGTATGTTTTGC TCTGAGGATTATACACATCACAGAAGAGTCGTGTGGCCCTTCAATGCGTGTGGGTACA TGGACCCAAAAGACGTCTGGCTCTCATACTTGGCGTAGCAGCGCTCCATGTGGCGCAAGG CAACACGTGGGTGATGGGGGTGCCACAGGAAACACAGAAGATCTGCAGGTCTGTGTCA TCACTGTACCCTCGTTGCTCTTCTCATCTTGCACACAGNCTGCTGGTTGGCACGTAAA ATGATCGCCTCAAGCTCATGGAATCGGGGTTCCATTTCTGAAAGCGGGGGCAGGGCACT CTGCTTGTTCGGGAAATGCTTCCACCACC</pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_014593
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_014593.2 , NP_055408.1
RefSeq Size:	2444 bp
RefSeq ORF:	1971 bp
Locus ID:	30827
UniProt ID:	Q9P0U4
Cytogenetics:	18q21.1
Domains:	PHD, zf-CXXC
Protein Families:	Druggable Genome, Transcription Factors
Gene Summary:	<p>This gene encodes a protein that functions as a transcriptional activator that binds specifically to non-methylated CpG motifs through its CXXC domain. The protein is a component of the SETD1 complex, regulates gene expression and is essential for vertebrate development. [provided by RefSeq, Sep 2015]</p> <p>Transcript Variant: This variant (2) uses an alternate in-frame splice site in the mid-coding region, compared to variant 1, resulting in a shorter protein (isoform 2), compared to isoform 1.</p>