

Product datasheet for **SC322364**

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:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for SC322364
 CCGACGCGTGGGTTGCAACCGCCTGGGACGCCGCCGAGTGGTCTGTGCAGGTTCCGCGGT
 CGCTGGCGGGGTCGTGAGGGAGTGCGCCGGGAGCGGAGATATGGAGGGAGATGGTTCAG
 ACCCAGAGCCTCCAGATGCCGGGAGGACAGCAAGTCCGAGAATGGGGAGAATGCGCCCA
 TCTACTGCATCTGCCGAAACCGGACATCAACTGCTTCATGATCGGGTGTGACAACTGCA
 ATGAGTGGTTCATGGGGACTGCATCCGGATCACTGAGAAGATGGCCAAGGCCATCCGGG
 AGTGGTACTGTCCGGAGTGCAGAGAGAAAGACCCCAAGCTAGAGATTTCGCTATCGGCACA
 AGAAGTCACGGGAGCGGATGGCAATGAGCGGGACAGCAGTGAAGCCCGGATGAGGGTG
 GAGGGCGCAAGAGGCCTGTCCCTGATCCAGACCTGCAGCGCCGGGAGGGTCAGGGACAG
 GGGTTGGGGCCATGCTTGTCCGGGCTCTGCTTCGCCCCACAAATCCTCTCCGACGCCCT
 TGGTGGCCACACCAGCCAGCATCACCAGCAGCAGCAGCAGCAGATCAAACGGTCAGCCC
 GCATGTGTGGTGTGAGGCATGTCCGGCCTGAGGACTGTGGTCACTGTGATTTCT
 GTCGGGACATGAAGAAGTTCGGGGGCCCAACAAGATCCGGCAGAAGTCCGGCTGCGCC
 AGTGCCAGCTGCGGGCCCGGAATCGTACAAGTACTTCCCTTCTCGCTCTCACCAGTGA
 CGCCCTCAGAGTCCCTGCCAAGGCCCGCCGGCCACTGCCACCCAACAGCAGCCACAGC
 CATCACAGAAGTTAGGGCGCATCCGTGAAGATGAGGGGGCAGTGGCGTCATCAACAGTCA
 AGGAGCCTCCTGAGGCTACAGCCACACCTGAGCCACTCTCAGATGAGGACCTACCTCTGG
 ATCCTGACCTGTATCAGGACTTCTGTGCAGGGGCTTTGATGACCATGGCCTGCCCTGGA
 TGAGCGACACAGAAGAGTCCCAATTCCTGGACCCCGCGTGCAGGAAGAGGGCAGTGAAG
 TGAAGCATGTGAAGCGTCCGGGAGAAGAAGTCTGAGAAGAAGAAGGAGGAGCGATACAAGC
 GGCATCGGCAGAAGCAGAAGCACAAGGATAAATGGAAACACCCAGAGAGGGCTGATGCCA
 AGGACCTGCGTCACTGCCCCAGTGCCTGGGGCCCGCTGTGTGCGCCCCCGCCAGCCCA
 GCTCCAAGTATTGCTCAGATGACTGTGGCATGAAGCTGGCAGCCAACCGCATCTACGAGA
 TCCTCCCCCAGCGCATCCAGCAGTGGCAGCAGAGCCCTTGCAATTGCTGAAGAGCACGGCA
 AGAAGCTGCTCGAACGCATTGCGCGAGAGCAGCAGAGTGCCCGCACTCGCCTTCAGGAAA
 TGAACGCGGATTCCATGAGCTTGGAGCCATCATTCTACGTGCCAAGCAGCAGGCTGTGC
 GCGAGGATGAGGAGAGCAACGAGGGTGACAGTGTGACACAGACCTGCAGATCTTCTGTG
 TTTCTGTGGGCACCCCATCAACCCACGTGTTCCTTGCGCCACATGGAGCGCTGCTACG
 CCAAGTATGAGAGCCAGACGCTCTTTGGGTCCATGTACCCACACGCATTGAAGGGGCCA
 CACGACTCTTCTGTGATGTGTATAATCCTCAGAGCAAAACATACTGTAAGCGGCTCCAGG
 TGCTGTGCCCCGAGCACTCACGGGACCCAAAGTGCCAGCTGACGAGGTATGCGGGTGCC
 CCCTTGTACGTGATGTCTTTGAGCTCACGGGTGACTTCTGCCGCCTGCCAAGCGCCAGT
 GCAATCGCCATTACTGCTGGGAGAAGCTGCGGCGTGCAGGAAGTGGACTTGAGGCGGTGC
 GTGTGTGGTACAAGCTGGACGAGCTGTTTGGAGCAGGAGCGCAATGTGCGCACAGCCATGA
 CAAACCGCGCGGATTGCTGGCCCTGATGCTGCACCAGACGATCCAGCAGCATCCCTCA
 CTACCGACCTGCGCTCCAGTGCCGACCGCTGAGCCTCCTGGCCCGGACCCCTTACACCCT
 GCATTCAGATGGGGGAGCCGCCCGGTGCCCGTGTGTCCGTTCTCCACTCATCTGTTTC
 TCCGGTTCTCCCTGTGCCATCCACCGTTGACCGCCATCTGCCTTTATCAGAGGGACT
 GTCCCCGTGACATGTTCAAGTGCCTGGTGGGGCTGCGGAGTCCACTCATCCTTGCCTCT
 CTCCTGGGTTTTGTTAATAAAATTTTGAAGAAACCAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_014593

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.
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>