

Product datasheet for **SC316959**

CGBP (CXXC1) (NM_001101654) Human Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | CGBP (CXXC1) (NM_001101654) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | CGBP |
| Synonyms: | 2410002I16Rik; 5830420C16Rik; CFP1; CGBP; hCGBP; HsT2645; PCCX1; PHF18; SPP1; ZCGPC1 |
| Vector: | <u>pCMV6 series</u> |



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Fully Sequenced ORF: >NCBI ORF sequence for NM_001101654, the custom clone sequence may differ by one or more nucleotides

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ATGGAGGGAGATGGTTCAGACCCAGAGCCTCCAGATGCCGGGGAGGACAGCAAGTCCGAG
AATGGGGAGAATGCGCCCATCTACTGCATCTGCCGCAAACCGGACATCAACTGCTTCATG
ATCGGGGTGACAACGCAATGAGTGGTCCATGGGGACTGCATCCGGATCACTGAGAAG
ATGGCCAAGGCCATCCGGGAGTGGTACTGTCTGGGAGTGCAGAGAGAAAGACCCCAAGCTA
GAGATTGCTATCGGCACAAGAAGTACCGGGAGCGGGATGGCAATGAGCGGGACAGCAGT
GAGCCCCGGGATGAGGGTGGAGGGCGCAAGAGGCCTGTCCTGATCCAGACCTGCAGCGC
CGGGCAGGGTCAGGGACAGGGGTTGGGGCCATGCTTGCTCGGGGCTCTGCTTCGCCCCAC
AAATCCTCTCCGCAGCCCTTGGTGGCCACACCCAGCCAGCATCACCAGCAGCAGCAGCAG
CAGATCAAACGGTCAGCCCGCATGTGTGGTGTGAGGCATGTGCGGCCTGAGGAC
TGTGGTCACTGTGATTTCTGTCTGGGACATGAAGAAGTTCGGGGGCCCAACAAGTCCGG
CAGAAGTCCGGCTGCGCCAGTCCAGCTGCGGGCCCGGAATCGTACAAGTACTTCCCT
TCCTCGCTCTACCAGTGACGCCCTCAGAGTCCCTGCCAAGGCCCGCCGCCCAGTCCG
ACCCAACAGCAGCCACAGCCATCACAGAAGTTAGGGCGCATCCGTGAAGATGAGGGGGCA
GTGGCGTCATCAACAGTCAAGGAGCCTCCTGAGGCTACAGCCACACCTGAGCCACTCTCA
GATGAGGACCTACCTCTGGATCCTGACCTGTATCAGGACTTCTGTGCAGGGGCTTTGAT
GACCATGGCCTGCCCTGGATGAGCGACACAGAAGTCCCATTCCTGGACCCCGCGCTG
CGGAAGAGGGCAGTAAAAGTGAAGCATGTGAAGCGTCGGGAGAAGAAGTCTGAGAAGAAG
GTGATGGAGAGGAAGGAGGAGCGATACAAGCGGCATCGGCAGAAGCAGAAGCACAAGGAT
AAATGGAAACACCCAGAGAGGGCTGATGCCAAGGACCCTGCGTCACTGCCCCAGTGCCTG
GGGCCCCGGTGTGTGCGCCCCGCCAGCCAGCTCCAAGTATTGCTCAGATGACTGTGGC
ATGAAGCTGGCAGCCAACCGCATCTACGAGATCCTCCCCAGCGCATCCAGCAGTGGCAG
CAGAGCCCTTGCAATTGCTGAAGAGCACGGCAAGAAGCTGCTCGAACGCATTTCGCCGAGAG
CAGCAGAGTGCCCGCACTCGCCTTCAGGAAATGGAACGCCGATTCCATGAGCTTGAGGCC
ATCATTCTACGTGCCAAGCAGCAGGCTGTGCGCGAGGATGAGGAGAGCAACGAGGGTGAC
AGTGATGACACAGACCTGCAGATCTTCTGTGTTTCTGTGGGCACCCCATCAACCCACGT
GTTGCCTTGCACCACATGGAGCGCTGCTACGCCAAGTATGAGAGCCAGACGTCTTTGGG
TCCATGTACCCACACGCATTGAAGGGGCCACACGACTTCTGTGATGTGTATAATCCT
CAGAGCAAACATACTGTAAGCGGCTCCAGGTGCTGTGCCCGAGCACTACGGGACCCC
AAAGTGCCAGCTGACGAGGTATGCGGGTGCCCCCTGTACGTGATGTCTTTGAGCTCACG
GGTGACTTCTGCCGCTGCCAAGCGCCAGTGAATCGCCATTACTGCTGGGAGAAGCTG
CGGCGTGCGGAAGTGGACTTGGAGCGCGTGCCTGTGTGGTACAAGCTGGACGAGCTGTT
GAGCAGGAGCGCAATGTGCGCACAGCCATGACAAACCGCGCGGGATTGCTGGCCCTGATG
CTGCACCAGACGATCCAGCACGATCCCCTCACTACCGACCTGCGCTCCAGTGCCGACCGC

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- Restriction Sites:** Please inquire
- ACCN:** NM_001101654
- 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).

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| 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: | <u>NM_001101654.1, NP_001095124.1</u> |
| RefSeq Size: | 2976 bp |
| RefSeq ORF: | 1983 bp |
| Locus ID: | 30827 |
| UniProt ID: | <u>Q9P0U4</u> |
| Cytogenetics: | 18q21.1 |
| 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 (1) represents the longer transcript and encodes the longer isoform (1).</p> |