

## Product datasheet for **SC303599**

### CBX2 (NM\_005189) Human Untagged Clone

#### Product data:

|                           |                                       |
|---------------------------|---------------------------------------|
| Product Type:             | Expression Plasmids                   |
| Product Name:             | CBX2 (NM_005189) Human Untagged Clone |
| Tag:                      | Tag Free                              |
| Symbol:                   | CBX2                                  |
| Synonyms:                 | CDCA6; M33; SRXY5                     |
| Mammalian Cell Selection: | None                                  |
| Vector:                   | <u><a href="#">pCMV6-XL5</a></u>      |
| E. coli Selection:        | Ampicillin (100 ug/mL)                |



[View online »](#)

|                               |   |
|-------------------------------|---|
| <b>Fully Sequenced ORF:</b>   | <p>&gt;OriGene sequence for NM_005189 edited</p> <pre> CCGCCACCATGGAGGAGCTGAGCAGCGTGGGCGAGCAGGTCTTCGCCCGGAGTGCATCC TGAGCAAGCGGCTCCGCAAGGGCAAGCTGGAGTACCTGGTCAAGTGGCGCGGCTGGTCTC CCAAACATAACAGCTGGGAGCCGGAGGAGAATCCTGGACCCGAGGCTGCTCCTGGCCT TCCAGAAGAAGGAACATGAGAAGGAGGTGCAGAACCGGAAGAGAGGCAAGAGGCCGAGAG GCCGGCAAGGAAGCTCACTGCCATGTCTCCTGCAGCCGGCGCTCCAAGCTCAAGGAAC CCGATGCTCCCTCCAAATCCAAGTCCAGCAGTTCCTCCTTCCCTCCACGTCATCCTCCT CTTCTCAGATGAAGAGGATGACAGTGAAGTACTTAGATGCTAAGAGGGGTCCCGGGGCGCG AGACCCACCCAGTGCCGAGAAGAGGCCAGATCCTGGTGGCCAAACCCGAGCTGAAGG ATCCCATCCGGAAGAAGCGGGGACGAAAGCCCCTGCCCCAGAGCAAAGGCAACCCGAA GACCCGTGAGCCTGGCCAAGGTGCTGAAGACCGCCGGAAGGATCTGGGGCCCCGGCCA GCAAGTGCCCCCTCACTCAGCGCCCCGTTGCAGGCCCTGGCAGCTCTGAAGGCCACG CCAAGGAGCCTGTGGCGCCCCAGTGCCATGGCCACCCAGAGAACCTGGCCAGCCTAA TGAAGGGCATGGCCAGTAGCCCCGGCGGGGTGGCATCAGCTGGCAGAGCTCCATCGTGC ACTACATGAACCGGATGACCCAGAGCCAGGCCAGGCTGCCAGCAGGTTGGCGCTGAAGG CCAGGCCACCAACAAGTGCAGGCTCGGGCTGGACCTGAAGGTGAGGACGCAGAAAGGGG AGCTGGGAATGAGCCCTCCAGGAAGCAAAATCCCGAAGGCCCCAGCGGTGGGGCTGTGG AGCAGAAAGTGGGGAACACAGGGGGCCCCCGCACCCATGGTGCCAGCAGGGTGCCTG CTGGGTGCCAGGCCCCAGCCAGCACCCACCCAGGAGCTGAGCCTCCAGGTCTTGGACT TGCAGAGTGTCAAGAATGGCATGCCCGGGTGGGTCTCCTTGCCCGCCACGCCACCGCCA CCAAGGTGTCCCGCCACCAACCCAGCCCCTGGGAAGGGCACTGGGAGTGGCCTCATTG GGGCCAGCGGGGCCACCATGCCACCGACACAAGCAAAAGTGAAGAAGCTGGCTCCAGAG CAGTGGCGCCACCCACCCCTGCCAGCAAGAGGGACTGTGTCAAGGGCAGTGTACCCCCA GTGGGCAGGAGAGCCGCACAGCCCCCGGAGAAGCCCGCAAGGCGCCACACTGCCAGAGA TGAGCGCAGGTGAGGAGAGTAGCAGCTCGGACTCCGACCCGACTCCGCCTCGCCGCCCA GCACTGGACAGAACCCGTGAGTGTCCGTTAGACCAGCCAGGACTGGAAGCCACCCGCA GCCTCATCGAGCAGTATTTGTACCGACGTCAGTCCCAACCTCATCACCGTCACAGTGA AGGAGTCTCCACAGCGTGGGCTTCTTCAACCTGAGGCATTACTGA </pre> |
| <b>Restriction Sites:</b>     | Please inquire  |
| <b>ACCN:</b>                  | NM_005189   |
| <b>Insert Size:</b>           | 1600 bp   |
| <b>OTI Disclaimer:</b>        | 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).  |
| <b>OTI Annotation:</b>        | It was fully sequenced and ORF exactly matches with that of NM_005189.1.  |
| <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>   |

RefSeq: [NM\\_005189.1](#), [NP\\_005180.1](#)

RefSeq Size: 4192 bp

RefSeq ORF: 1599 bp

Locus ID: 84733

UniProt ID: [Q14781](#)

Cytogenetics: 17q25.3

Protein Families: Transcription Factors

**Gene Summary:** This gene encodes a component of the polycomb multiprotein complex, which is required to maintain the transcriptionally repressive state of many genes throughout development via chromatin remodeling and modification of histones. Disruption of this gene in mice results in male-to-female gonadal sex reversal. Mutations in this gene are also associated with gonadal dysgenesis in humans. Alternatively spliced transcript variants encoding different isoforms have been noted for this gene.[provided by RefSeq, Mar 2010]

Transcript Variant: This variant (1) encodes the longer isoform (1). Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.