

Product datasheet for **RC203417**

CBX8 (NM_020649) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CBX8 (NM_020649) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CBX8
Synonyms:	PC3; RC1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC203417 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGCTTTAGCGGTGGGGAGCGGGTGTTCGCGGCCGAAGCCCTCCTGAAGCGGCGCATACGGAAAG
GACGCATGGAATACCTCGTAAATGGAAGGGATGGTCGAGAAGTACAGCACATGGGAACCGGAGGAAAA
CATCCTGGATGCTCGCTTCTCGCAGCCTTTGAGGAAAGGAAAGAGAGATGGAGCTCTATGGCCCCAAA
AAGCGTGGACCAAGCCAAAACCTTCTCCTCAAAGCGCAGGCCAAGGCAAAGGCCAAAACCTACGAGT
TTCGAAGTGACTCAGCCAGGGGCATCCGGATCCCCTACCCTGGCCGCTCGCCCCAGGACCTGGCCTCCAC
TTCCCGGGCCCGGAGGGCCTTCGAAACATGGGTTTGTCCCGCCAGCGAGCAGCACCCAGCACCAGCAGC
ACCTGCCGCGCAGAGGCCCTCGGGACCGGACCGAGACCGGGATAGGGACCGGGAGCGGGATCGAGAAA
GGGAGAGGGAGCGAGAGAGGGAGCGGGAACGTGAGAGGGAACGAGAGCGGGGTACCAGCAGAGTGGATGA
CAAGCCCAGCTCACCGGGGACAGCTCGAAGAAGCGAGGCCCAAGCCCCGGAAGGAGCTCCCGGACCCC
TCACAGAGGCCCTTAGGCGAACCAGCGCCGGCCTCGGAGAGTACCTCAAGGGCAGGAAGCTGGACGACA
CCCCTTCGGGGCAGGAAAGTTTCCAGCCGGCCACAGTGTGATCCAGCTGGCCCCAAGACAGGACTCGGA
CCTGGTGCAGTGTGGTGTGACCAGCCCTAGCTCAGCTGAGGCCACGGGCAAACCTGGCTGTGGACACCTTC
CCGGCCAGGGTGATAAAGCACAGGGCTGCCTTCTGGAGGCCAAAGGCCAGGGTGCCTAGATCCCAATG
GCACCCGGGTCCGACATGGCTCAGGCCCCCCAGCTCTGGGGGGGCTGTACCGGACATGGGGGCCCA
GGGGGAAAGGCCCTCCCTCATCGCCAGGATCCCTGTGGCCAGAATCCTGGGGGACCCGGAGGAAGAGTCC
TGGAGCCCTCCCTGACTAACCTGGAGAAGGTGGTGGTACCGACGTGACCTCAAACCTTTTGGACCGTCA
CCATTAAGGAAAGTAACACGGACCAAGGCTTTTTTAAAGAGAAAAGA

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Reconstitution Method:

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_020649.3](#)

RefSeq Size: 1561 bp

RefSeq ORF: 1170 bp

Locus ID: 57332

UniProt ID: [Q9HC52](#)

Cytogenetics: 17q25.3

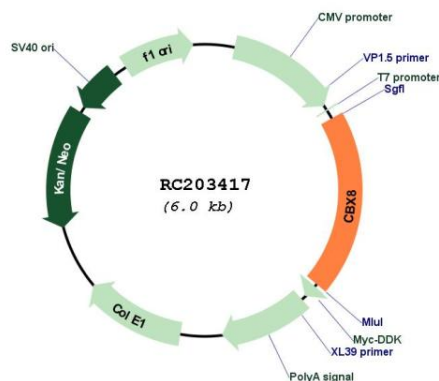
Domains: CHROMO

Protein Families: Transcription Factors

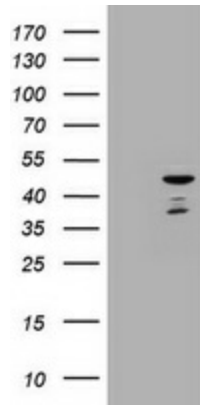
MW: 43.4 kDa

Gene Summary: Component of a Polycomb group (PcG) multiprotein PRC1-like complex, a complex class required to maintain the transcriptionally repressive state of many genes, including Hox genes, throughout development. PcG PRC1 complex acts via chromatin remodeling and modification of histones; it mediates monoubiquitination of histone H2A 'Lys-119', rendering chromatin heritably changed in its expressibility.[UniProtKB/Swiss-Prot Function]

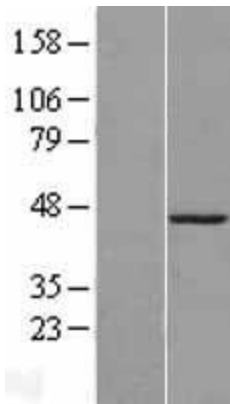
Product images:



Circular map for RC203417



HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY CBX8 (Cat# RC203417, Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-CBX8 (Cat# [TA800617]). Positive lysates [LY412158] (100ug) and [LC412158] (20ug) can be purchased separately from OriGene.



Western blot validation of overexpression lysate (Cat# [LY412158]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC203417 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).