

Product datasheet for **MC218791**

Cbx4 (NM_007625) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cbx4 (NM_007625) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cbx4
Synonyms:	MPc2; PC2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC218791 representing NM_007625
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGAGCTGCCAGCTGTTGGCGAGCACGTCTTCGCGGTGGAGAGCATCGAAAAGAAGCGGATACGCAAGG
GCAGAGTGGAGTATCTGGTGAAATGGAGAGGCTGGTCCCCAAATATAACACGTGGGAACAGAGGAGAA
CATCTTGATCCCCGGCTGCTGATCGCCTTCCAGAACAGGAAAGGCAGGAGCAGCTGATGGGATATCGC
AAGAGAGGGCCCAAGCCCAAACCGCTGGTGGTGCAGGTGCCACCTTTGCCCGACGCTCCAATGTTCTGA
CTGGGCTTCAAGACTCTCCGCTGACAACCGTCCAAGCTGGAGTTGGGCACACAGGGCAAGGGCCAGGG
GCACCAGTATGAGCTCAACAGCAAGAAGCACCATCAGTACCAGCCACATAGCAAGGAGAGGTCCGGTAAG
CCGCCCCCGCCAGGGAAGAGCGCAAGTATTATTATCAGCTAAATAGCAAAAAGCACCACCCTACCAGC
CAGACCCCAAAATGTACGACCTGCAGTACCAGGGCGGCCACAAGGAGGCACCCAGCCCACTGCCAGA
CCTGGGCACCAAGAGCCACCCTCTGACAAGTGGGCCACGGAGCTGCAGCCAAAGGCTACCTCGGGGCC
GTGAAGCCCTTGGGGGGAGGGGCAGGAGCTCCAGGCAAGGGCTCGGAAAAGGGCCCCCAATGGCATGA
CACCAGCCCTAAGGAGGCAGTGACCGGTAAATGGTATTGGGGCAAGATGAAAATCGTCAAGAACAGAA
CAAGAATGGGCGCATCGTGATCGTTATGAGCAAGTACATGGAGAACGGCATGCAGGCAGTGAAAATCAAG
TCGGGCGAGGCCCGGAGGGCGAGGCGCGCTCCCCAGCCACAAGAAACGTGCTGCCGAGGAGCGCCATC
CCCAGGGCGACAGGACTTTTAAAAGGCAGCCGGTGCCTCTGAGGAGAAGAAAGCCGAAGTGCCTGCAA
ACGCAGGAGGAGGAGGCTCTGGTGTGGGGGACGCGCAGCCCCAGGACCTAGGGTCTCGAAAGCTCTCC
CCGACCAAGGAGGCTTTGGTGAGCAACCGCTACAGCTCACCACCAAGCCAGACCTGCTGGCCTGGGACC
CAGCAGGAGCTCGACCCCGCCACCACCACCATCACCACCACCATCACCACCACCATCACCACCACCATC
GGCCTGAACCTCTCCATGCGCGCAAGCGCTGCCTCTCCGAGACCCATGGGGAGCGTGAGCCCTGTAAG
AAGCGTTGACCGCCCGCAGCATCAGCACGCGCCTGCCTGGGGGCGAGCCCGTCTCCGAGCACCTG
CCAACGTATCCCCACCGCGCCTCTCTGCCGAGCCGAGGTCACTCTTTAGACTCAGACCTGGATGA
ACCCATAGACTTGCCTGTGTAAGATGCGCAGCGACGCCGGGAACCGCCAGCACCTCCAGGTGAAG
CCCAGGCTCCAGCTGTGGCGCAGTGGTGGCGCCGCCCTGCCTCAGAGAAGCCTCCCGCTGAGGCC
AGGAGGAGCCAGTGGAGCCCTTGTGAGTTCAAGCCCTCTTTGGGAATATAATTACTGACGTCAC
GGCGAAGTGCCTACCGTCACTTCAAGGAATACGTGACGGT**AG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_007625

Insert Size: 1656 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:

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_007625.2](#), [NP_031651.2](#)

RefSeq Size: 5213 bp

RefSeq ORF: 1656 bp

Locus ID: 12418

UniProt ID: [O55187](#)

Cytogenetics: 11 83.34 cM

Gene Summary: E3 SUMO-protein ligase which facilitates SUMO1 conjugation by UBE2I. Involved in the sumoylation of HNRNPK, a p53/TP53 transcriptional coactivator, hence indirectly regulates p53/TP53 transcriptional activation resulting in p21/CDKN1A expression.[UniProtKB/Swiss-Prot Function]