

## Product datasheet for RC208424

### CBX7 (NM\_175709) Human Tagged ORF Clone

#### Product data:

Product Type: Expression Plasmids  
Product Name: CBX7 (NM\_175709) Human Tagged ORF Clone  
Tag: Myc-DDK  
Symbol: CBX7  
Vector: pCMV6-Entry (PS100001)  
E. coli Selection: Kanamycin (25 ug/mL)  
Cell Selection: Neomycin  
ORF Nucleotide Sequence: >RC208424 ORF sequence  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC

ATGGAGCTGT CAGCCATCGGCGAGCAGGTGTTCCGCTGGAGAGCATCCGGAAGAAGCGCGTGCGGAAGG  
GTAAAGTCGAGTATCTGGTGAAGTGAAAGGATGGCCCCAAAGTACAGCACGTGGGAGCCAGAAGAGCA  
CATCTTTGGACCCCGCCTCGTCATGGCCTACGAGGAGAAGGAGGAGAGACCGAGCATCGGGGTATAGG  
AAGAGAGTCCGAAACCCAGGCGGCTTCTGCTGCAGCGGCTGTACAGCATGGACCTGCGGAGCTCCACAC  
AGGCCAAGGGCAAGGAGAAGCTCTGCTTCTCCCTGACGTGCCACTCGGCAGCGGGAGCCCTGAGGGGT  
GGTCAAGGCGGGGCACCTGAGCTGGTGGACAAGGGCCCTTGGTGCCACCCCTGCCCTCCCGCTCCGC  
AAGCCCCGAAAGGCCACAAGTACCTGCGGCTCTCGCGAAGAAGTTCGCCCGCCGCGGGCCCAACCTGG  
AGAGCCACAGCCATCGACGGGAGCTCTTCTGCAGGAGCCACCGCCCCAGACGTCTGCAGGCGGCTGG  
CGAGTGGGAGCCTGCTGCGCAGCCCCGTAAGAGGAGGCAGATGCCGACCTGGCCGAGGGGCCCTCC  
TGGACACCTGCGCTCCCCTCAAGTGAGGTGACCGTGACCGACATCACCGCCAACTCCATCACCCTACCT  
TCCGCGAGGCCAGCCAGCTGAGGGCTTCTCCGAGACCCGAGTGGGAAGTTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC208424 protein sequence  
Red=Cloning site Green=Tags(s)

MELSAIQEVFAVESIRKRVKRGKVEYLVKWGWPPKYSTWEPEEHILDPRLVMAEYEEKEERDRASGYR  
KRGPKPRLLQLRYSMDLRSSHAKGKEKLCFSLTCPLGSGSPEGVVKAGAPELVKGLVPTLPFPLR  
KPRKAHKYLRSLRKFPPRPNLESHSRRELFLQEPAPDVLQAAGWEPAAPPEEADADLAEGPPP  
WTPALPSSEVTVDITANSITVTFREAQPAEGFFRDRSGKF

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

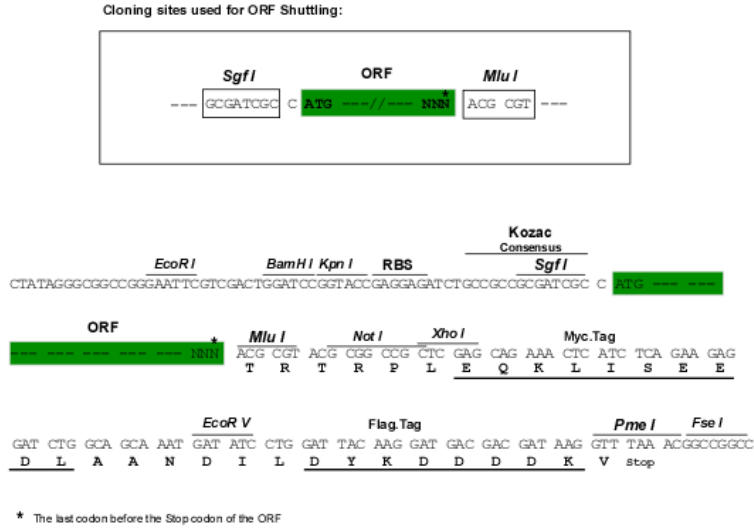


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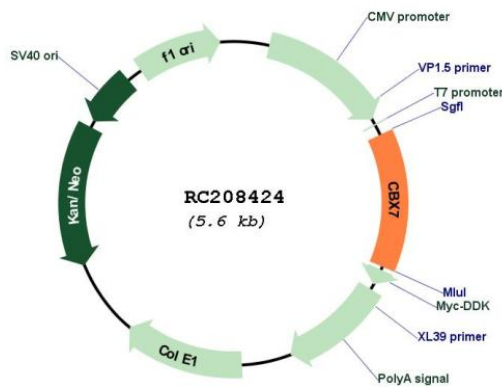
Chromatograms: [https://cdn.origene.com/chromatograms/mk6350\\_g07.zip](https://cdn.origene.com/chromatograms/mk6350_g07.zip)

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



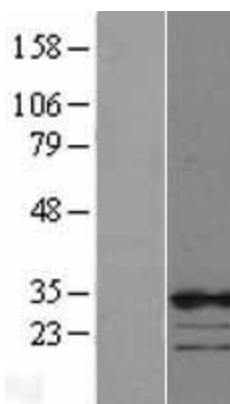
ACCN: NM\_175709

ORF Size: 753 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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>
<b>RefSeq:</b>	<a href="#">NM_175709.5</a>
<b>RefSeq Size:</b>	3964 bp
<b>RefSeq ORF:</b>	756 bp
<b>Locus ID:</b>	23492
<b>UniProt ID:</b>	<a href="#">O95931</a>
<b>Cytogenetics:</b>	22q13.1
<b>MW:</b>	28.4 kDa
<b>Gene Summary:</b>	This gene encodes a protein that contains the CHROMO (CHRomatin Organization MODifier) domain. The encoded protein is a component of the Polycomb repressive complex 1 (PRC1), and is thought to control the lifespan of several normal human cells. [provided by RefSeq, Oct 2016]

### Product images:



Western blot validation of overexpression lysate (Cat# [LY406257]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC208424 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).