

Product datasheet for **RC210548**

PBX3 (NM_006195) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PBX3 (NM_006195) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	PBX3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC210548 representing NM_006195 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGACGATCAATCCAGGATGCTGCAGACTCTGGCCGGGGTGAACCTGGCTGGCCACTCGGTGCAGGGGG
GCATGGCCCTGCCGCCTCCCCGCACGGCCACGAAGGGGGCGGACGGCGACGGCAGGAAGCAGGACATCGG
CGACATCTCCACCAGATCATGACCATCACCGACCAGAGCTTGGACGAGGCGCAAGCAAAGAAACATGCC
CTGAATGTGCACAGAATGAAACCAGCGCTCTTCAGCGTCCTGTGTGAGATCAAAGAGAAAACAGGTCTCA
GCATCAGAGGAGCCAGGAGGAGGCCCTCCCGATCCCCAGCTAATGAGACTGGACAATATGCTTTTGGC
AGAAGGGGTTTCAGGTCTGAGAAAGGTGGGGATCGGCCGCGAGCAGCTGCAGCCGCGGAGCCTCTGGA
GGTTCTTCAGATAACTCTATTGAACACTCAGATTACAGAGCCAAATTGACCCAGATCAGACAAATCTATC
ACACAGAACTGGAGAAATATGAACAGGCATGTAATGAATTTACTACACATGTGATGAACCTTCTCCGAGA
ACAGAGTAGAACACGTCCCATTCTCCAAAAGAGATTGAAAGAATGGTGGGCATCATCCATCGAAAATTT
AGTTCCATTGAGATGCAGCTCAAACAAAGCACTTGTGAAGCAGTTATGATTTTAAGATCAAGGTTCTTG
ATGCCAGACGGAAAAGGCGTAACCTCAGTAAACAGGCCACAGAAATCTTGAATGAATATTTTACTCACA
CCTCAGCAACCCCTACCCAGTGAAGAAGCCAAAGAGGAGCTGGCCAAGAAATGCAGCATCACAGTGTCA
CAGGTATCCAATTGGTTTGGCAACAACGAATCAGGTACAAGAAGAATTTGGCAAGTTTCAGGAAGAAG
CCAACCTCTATGCTGCAAGACGGCCGTGACAGCTGCACACGCAGTAGCAGCAGCTGTGCAGAACAACCA
GACCAATTCGCCACCACACAAATTCGGTTCTTCTGTTCTTTAACCTCCAAATTCGGGGACATG
TTCATGAACATGCAGAGTCTGAATGGGGATTCTTACCAAGGGTCCCAAGTCGGAGCCAATGTGCAATCAC
AGGTGGATACCCTCCGTCATGTTATCAATCAGACGGGAGGCTACAGTGTGGCCTTGAGGAAAATCACT
GTACAGTCCACATAATTTAAATGCTAATGGAGGCTGGCAGGACGCAACAACCTCCATCTTCTGTGACTTCT
CCTACAGAAGGCCAGGAAGTGTGCACTCGGATACCTCTAAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >RC210548 representing NM_006195
Red=Cloning site Green=Tags(s)

MDDQSRMLQTLAGVNLAGHSVQGGMALPPPHGHEGADGDGRKQDIGDILHQIMTITDQSLDEAQAKKHA
 LNCHRMKPALFVSLCEIKEKTGLSIRGAQEEDPPDPQLMRLDNMLLAEGVSGPEKGGSSAAAAAASG
 GSSDNSIEHSDYRAKLTQIRQIYHTELEKYEACNEFTTHVMNLLREQSRTRPISPKIEIRMVGIHRKF
 SSIQMLKQSTCEAVMILRSRFLDARRKRRNFVSKQATEILNEYFYSHLSNPYPSEEAKKELAKKCSITVS
 QVSNWFGNKRIRYKKNIGKFQEEANLYAAKTAVTAAHAVA AAVQNNQNTNSPTTPNSGSSGSFNLPSGDM
 FMNMQSLNGDSYQGSQVGANVQSQVDTLRHVINQTTGGYSDGLGGNSLYSPHNLNANGGWQDATTPSSVTS
 PTEGPGSVHSDTSN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja1990_f08.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_006195

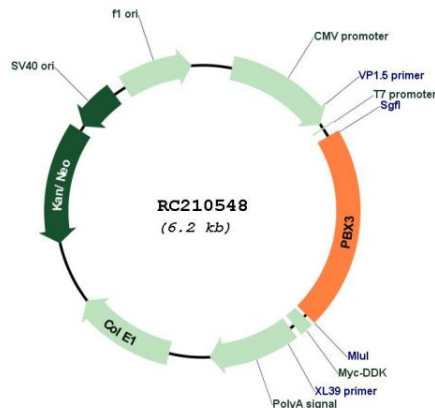
ORF Size: 1302 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	<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:	NM_006195.6
RefSeq Size:	2911 bp
RefSeq ORF:	1305 bp
Locus ID:	5090
UniProt ID:	P40426
Cytogenetics:	9q33.3
Protein Families:	Transcription Factors
MW:	47.2 kDa
Gene Summary:	Transcriptional activator that binds the sequence 5'-ATCAATCAA-3'. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC210548