

Product datasheet for **RC225537**

PBX3 (NM_001134778) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PBX3 (NM_001134778) 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:	>RC225537 representing NM_001134778 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAACCAGCGCTCTTCAGCGTCCTGTGTGAGATCAAAGAGAAAACAGGTCTCAGCATCAGAGGAGCCC
AGGAGGAGGACCCCTCCCGATCCCCAGCTAATGAGACTGGACAATATGCTTTTGGCAGAAGGGTTTCAGG
TCCTGAGAAAGGTGGGGGATCGGCGGCAGCAGCTGCAGCCGCGGCAGCCTCTGGAGGTTCTTCAGATAAC
TCTATTGAACACTCAGATTACAGAGCCAAATTGACCCAGATCAGACAAATCTATCACACAGAATGGAGA
AATATGAACAGGCATGTAATGAATTTACTACACATGTGATGAACCTTCTCCGAGAACAGAGTAGAACACG
TCCCATTCTCCAAAAGAGATTGAAAGAATGGTGGGCATCATCCATCGAAAATTTAGTTCATTTCAGATG
CAGCTCAAACAAAGCACTTGTGAAGCAGTTATGATTTTAAAGATCAAGGTTCCCTTGATGCCAGACGAAAA
GGCGTAACTTCAGTAAACAGGCCACAGAAATCTTGAATGAATATTTTACTCACACCTCAGCAACCCCTA
CCCCAGTGAAGAAGCCAAAGAGGAGCTGGCCAAGAAATGCAGCATCACAGTGTACAGGTATCCAATTGG
TTTGGCAACAACGAATCAGGTACAAGAAGAATTGGCAAGTTTCAGGAAGAAGCCAACCTCTATGCTG
CAAAGACGGCCGTGACAGCTGCACACGCAGTAGCAGCAGCTGTGCAGAACAACAGACCAATTGCCCCAC
CACACCAATTCGGTCTCTCTGGTTCTTTAACCTCCCAAATCTGGGGACATGTTTCATGAACATGCAG
AGTCTGAATGGGATTCTTACCAAGGTCCTCAAGTCCGAGCCAATGTGCAATCACAGGTGGATACCTCC
GTATGTTATCAATCAGACGGGAGGCTACAGTGTGCGCTTGGAGGAAATTCAGTGTACAGTCCACATAA
TTTAAATGCTAATGGAGGCTGGCAGGACGCAACAACCTCCATCTTCTGTGACTTCTCTACAGAAGGCCCA
GGAAGTGTGCACTCGGATACCTCTAAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC225537 representing NM_001134778
 Red=Cloning site Green=Tags(s)

MKPALF SVLCEIKEKTGLSIRGAQEEDPPDPQLMRLDNMLLAEGVSGPEKGGGSAAAAAAAAASGGSSDN
 SIEHSDYRAKL TQIRQIYHTELEKYEQACNEFTTHVMNLLREQSRTRPISPKEIERMVGIIHRKFSSIQM
 QLKQSTCEAVMILRSRFLDARRKRRNFSKQATEILNEYFYSHLSNPYPSEEAKKCSITVSQVSNW
 FGNKRIRYKKNIGKFQEEANLYAAKTAVTAAHAVA AVQNNQTNPTTPNSGSSGSFNL PNSGDMFMNMQ
 SLNGDSYQGSQGANVQSQVDTLRHVINQTGGYSDGLGGNSLYSPHNLNANGGWQDATTPSSVTSPTTEGP
 GSVHSDTSN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

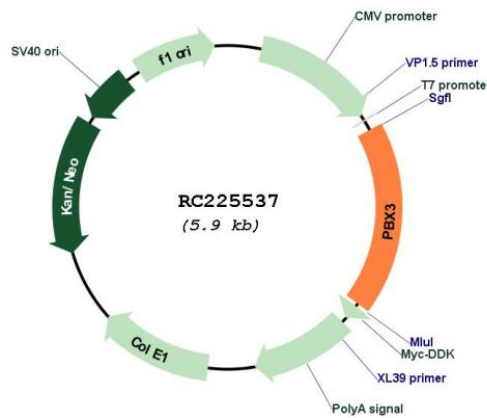
Chromatograms: https://cdn.origene.com/chromatograms/ja1554_c08.zip

Restriction Sites: SgfI-MluI

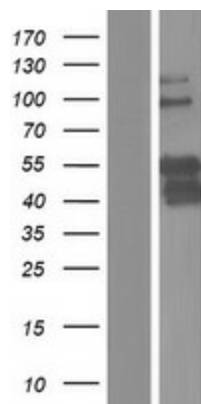
Cloning Scheme:



Plasmid Map:



ACCN:	NM_001134778
ORF Size:	1077 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
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_001134778.2
RefSeq ORF:	1080 bp
Locus ID:	5090
UniProt ID:	P40426
Cytogenetics:	9q33.3
Protein Families:	Transcription Factors
MW:	39 kDa
Gene Summary:	Transcriptional activator that binds the sequence 5'-ATCAATCAA-3'. [UniProtKB/Swiss-Prot Function]

Product images:

Western blot validation of overexpression lysate (Cat# [LY427493]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC225537 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).