

Product datasheet for **RG210548**

PBX3 (NM_006195) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: PBX3 (NM_006195) Human Tagged ORF Clone
 Tag: TurboGFP
 Symbol: PBX3
 Mammalian Cell Selection: Neomycin
 Vector: pCMV6-AC-GFP (PS100010)
 E. coli Selection: Ampicillin (100 ug/mL)
 ORF Nucleotide Sequence: >RG210548 representing NM_006195
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGACGATCAATCCAGGATGCTGCAGACTCTGGCCGGGGTGAACCTGGCTGGCCACTCGGTGCAGGGGG
 GCATGGCCCTGCCGCCTCCCCGCACGGCCACGAAGGGGGCGGACGGCGACGGCAGGAAGCAGGACATCGG
 CGACATCCTCCACCAGATCATGACCATCACCGACCAGAGCTTGGACGAGGGCGCAAGCAAAGAAACATGCC
 CTGAACGTGCACAGAATGAAACCAGCGCTCTTCAGCGTCTGTGTGAGATCAAAGAGAAAACAGGTCTCA
 GCATCAGAGGAGCCAGGAGGAGGCCCTCCCGATCCCCAGCTAATGAGACTGGACAATATGCTTTTGGC
 AGAAGGGGTTTCAGGTCTGAGAAAGGTGGGGATCGGGCGCAGCAGCTGCAGCCCGGCAGCCTCTGGA
 GGTTCTTCAGATAACTCTATTGAACACTCAGATTACAGAGCCAAATTGACCCAGATCAGACAAATCTATC
 ACACAGAACTGGAGAAATATGAACAGGCATGTAATGAATTTACTACACATGTGATGAACCTTCTCCGAGA
 ACAGAGTAGAACACGTCCCATTCTCCAAAAGAGATTGAAAGAATGGTGGGCATCATCCATCGAAAATTT
 AGTTCCATTAGATGCAGCTCAAACAAAGCACTTGTGAAGCAGTTATGATTTTAAGATCAAGGTTCTTG
 ATGCCAGACGGAAAAGGCGTAACCTCAGTAAACAGGCCACAGAAATCTTGAATGAATATTTTACTCACA
 CCTCAGCAACCCCTACCCAGTGAAGAAGCCAAAGAGGAGCTGGCCAAGAAATGCAGCATCACAGTGTCA
 CAGGTATCCAATTGGTTTGGCAACAAACGAATCAGGTACAAGAAGAATTTGGCAAGTTTCAGGAAGAAG
 CCAACCTCTATGCTGCAAGACGGCCGTGACAGCTGCACACGCAGTAGCAGCAGCTGTGCAGAACAACCA
 GACCAATTCGCCACCACACAAATTCGGTCTTCTGTTCTTTAACCTCCAAATTCGGGGACATG
 TTCATGAACATGCAGAGTCTGAATGGGGATTCTTACCAAGGGTCCCAAGTCGGAGCCAATGTGCAATCAC
 AGGTGGATACCCTCCGTGATGTTATCAATCAGACGGGAGGCTACAGTGTGGCCTTGAGGAAAATCACT
 GTACAGTCCACATAATTTAAATGCTAATGGAGGCTGGCAGGACGCAACAACTCCATCTTCTGTGACTTCT
 CCTACAGAAGGCCAGGAAGTGTGCACTCGGATACCTCTAAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG210548 representing NM_006195
 Red=Cloning site Green=Tags(s)

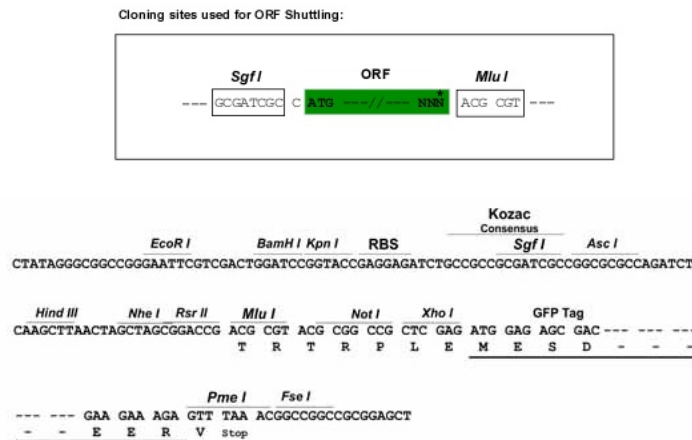
MDDQSRMLQTLAGVNLAGHSVQGGMALPPPHGHEGADGDGRKQDIGDILHQIMTITDQSLDEAQAKKHA
 LNCHRMKPALF SVLCEIKEKTGLSIRGAQEEDPPDQLMRLDNMLLAEGVSGPEKGGGSAAAAAAAAAASG
 GSSDNSIEHSDYRAKLTQIRQIYHTELEKYEQACNEFTTHVMNLLREQSRTRPISPKEIERMVGIIHRKF
 SSIQMLKQSTCEAVMILRSRFLDARRKRRNFSKQATEILNEYFYSHLSNPYPSEEAKKELAKKCSITVS
 QVSNWFGNKRIRYKKNIGKFQEEANLYAAKTAVTAAHAVAAAVQNNQNTNSPTTPNSGSSGSFNLPSGDM
 FMNMQSLNGDSYQGSQVGANVQSQVDTLRHVINQTTGGYSDGLGGNSLYSPHNLNANGGWQDATTSSVTS
 PTEGPGSVHSDTSN

TRTRPLE - GFP Tag - V

Chromatograms: https://cdn.origene.com/chromatograms/ja3052_d05.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_006195

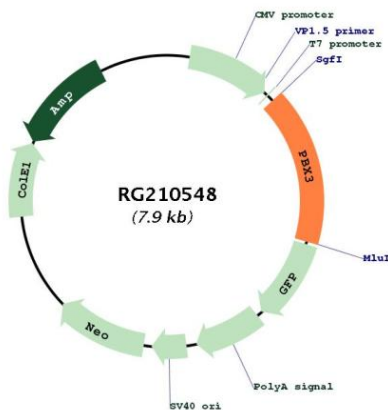
ORF Size: 1302 bp

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
Gene Summary:	Transcriptional activator that binds the sequence 5'-ATCAATCAA-3'. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG210548