

## Product datasheet for **RG225537**

### **PBX3 (NM\_001134778) Human Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PBX3 (NM_001134778) 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:	>RG225537 representing NM_001134778 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAAACCAGCGCTCTTCAGCGTCCTGTGTGAGATCAAAGAGAAAACAGGTCTCAGCATCAGAGGAGCCC  
AGGAGGAGGACCTCCCAGTATGAGACTGGACAATATGCTTTTGGCAGAAGGGTTTCAGG  
TCCTGAGAAAGGTGGGGATCGGCGGCAGCAGCTGCAGCCGCGGCAGCCTCTGGAGGTTCTTCAGATAAC  
TCTATTGAACACTCAGATTACAGAGCAAATTGACCCAGATCAGACAAATCTATCACACAGAATGGAGA  
AATATGAACAGGCATGTAATGAATTTACTACACATGTGATGAACCTTCTCCGAGAACAGAGTAAACACG  
TCCCATTCTCCAAAAGAGATTGAAAGAATGGTGGGCATCATCCATCGAAAATTTAGTTCATTTCAGATG  
CAGCTCAAACAAAGCACTTGTGAAGCAGTTATGATTTTAAAGATCAAGGTTCCCTTGATGCCAGACGAAAA  
GGCGTAACTTCAGTAAACAGGCCACAGAAATCTTGAATGAATATTTTACTCACACCTCAGCAACCCCTA  
CCCCAGTGAAGAAGCCAAAGAGGAGCTGGCCAAGAAATGCAGCATCACAGTGTACAGGTATCCAATTGG  
TTTGGCAACAACGAATCAGGTACAAGAAGAATTGGCAAGTTTCAGGAAGAAGCCAACCTCTATGCTG  
CAAAGACGGCCGTGACAGCTGCACACGCAGTAGCAGCAGCTGTGCAGAACCAACAGCAATTCGCCAC  
CACACAAATTCGGTCTCTGTTCTTTAACCTCCAAATCTGGGACATGTTTCATGAACATGCAG  
AGTCTGAATGGGATTCTTACCAAGGTCCTCAAGTCCGAGCCAATGTGCAATCACAGGTGGATACCTCC  
GTATGTTATCAATCAGACGGGAGGCTACAGTGTGTCCTTGGAGGAAATTCAGTGTACAGTCCACATAA  
TTTAAATGCTAATGGAGGCTGGCAGGACGCAACAACCTCCATCTTCTGTGACTTCTCTACAGAAGGCCCA  
GGAAGTGTGACTCGGATACCTCTAAC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG225537 representing NM\_001134778  
 Red=Cloning site Green=Tags(s)

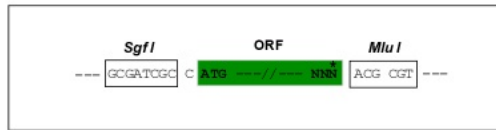
MKPALFVSLCEIKEKTGLSIRGAQEEDPPDPQLMRLDNMLLAEGVSGPEKGGGSAAAAAAAAAASGGSSDN  
 SIEHSDYRAKLQIRQIYHTELEKYEQACNEFTTHVMNLLREQSRTPI SPKEIERMVGIIHRKFSSIQM  
 QLKQSTCEAVMILRSRFLDARRKRRNFSKQATEILNEYFYSHLSNPYPSEEAKEELAKKCSITVSQVSNW  
 FGNKRIRYKKNIGKFQEEANLYAAKTAVTAAHAVAAAVQNNQTNSTPTTPNSGSSGSFNL PNSGDMFMNMQ  
 SLNGDSYQGSQVGANVQSQVDTLRHVINQTGGYSDGLGGNSLYSPHNLNANGGWQDATTPSSVTSPTTEGP  
 GSVHSDTSN

TRTRPLE - GFP Tag - V

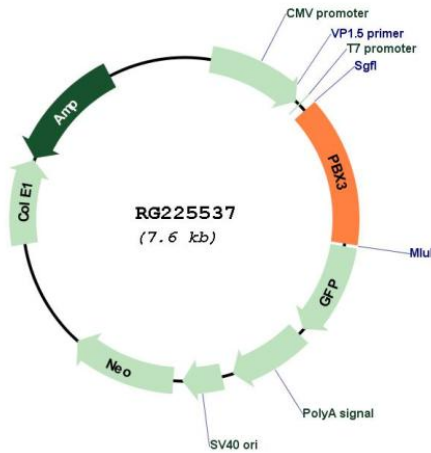
**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



**Plasmid Map:**



**ACCN:** NM\_001134778

<b>ORF Size:</b>	1077 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<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_001134778.2</a>
<b>RefSeq Size:</b>	2825 bp
<b>RefSeq ORF:</b>	1080 bp
<b>Locus ID:</b>	5090
<b>UniProt ID:</b>	<a href="#">P40426</a>
<b>Cytogenetics:</b>	9q33.3
<b>Protein Families:</b>	Transcription Factors
<b>Gene Summary:</b>	Transcriptional activator that binds the sequence 5'-ATCAATCAA-3'. [UniProtKB/Swiss-Prot Function]