

Product datasheet for **MG210312**

Pbxip1 (BC026838) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pbxip1 (BC026838) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Pbxip1
Synonyms:	MGC38361
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide
Sequence:

>MG210312 representing BC026838
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCCTCTGCCAGACTCAGATAATAGCTGGGTGCTCGCTGGTTCTGAGAATCTGCCTGTGGAGACTC
TGGGCCCAAGAACCAGGATGGACCCAGAATCTGAGGGAGCCTCCAGGCCCTTCGGGACTCCTCCAAGGC
AGATGGCAAAGAATTAGCTGGGACCTTGGATGGAGAAGAGAAGCTTTTCCAGACGGAAAAGTTCCAGAGA
GAAACTGCTGTTCTGACAGAGTCTGCGGCCAAGGGCACTCTGGGAGCCGATGGTCATGGGACGGAGGCC
CTGGAGACACAGTGGTCCAGGAAGATTCGAGGAGACTCCTGTGGCGACGAGCCTCGGACCAGACACACA
GGACCTGGAGAGTGAGATCCATCCACAGAACTTACCCTCCAGTCCAGAGCAGTTTGGAAAGAGCATCGC
TGCTCCAGCAGTGACGACGACTGATGTAGATGTGGAGGGTCTGCGGAGACGGAGGGGCCGGAGCCCA
GCTCATCCAGCCCGTGGTACCCGTAGATGTGGAGGACCAGGCCAAGGGCGAGGGTATAGGTGGAGAGCT
GGGCATCTCCCTCAACATGTGTTTCTGGGGCCCTGGTTCTTCTGGGCCTGGGGATCCTCTGTTCTCT
GGTACACTGCTGGAGCCCGAGACTGGGCCATGGAGGAAGCCGAGTTGCAGGTCTTTCAGAAAACCGGGC
CGGAGACTGAACTGGTAGAGACTCTGGGGAACAGGCAGGATGAGATAGAGCACCTGCAGGCTTCAAGTGT
CCCACCAGACAGTGTCCCAGCCTGCAGAGCATGGGGTTTCTGCTGGACAAGCTGGCCAAGGAGAACCAG
GATATCCGGCTGCTGCAGGCTCAGCTACAGGCTCAGAAAGAAGAACTTCAGAGCCTGTTGCACCAGCCCA
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AGAATCAGAACTGCAGCAGCTAAGGGCCGACTCCAAGGGCTAGAGGCTAACTGTGTCCGGGGTGTAGAT
GGGGTGTGTCTCAACTGGGTGGAGATCCACAGGATGGCAAGGCCACTAAAGAACAAGGCCACAAAGGGC
AGGAGCCAGACCCAGCTTATTGGAGCAGCATAAGCAGCTTGAGGCGGAGGCCAAGGCCCTAAGGCAGGA
GCTGCAGAGACAGTGGCAGCTGCTGGGGTCTGTGCACTGGGACCTGCAGAGGGGCTTGCGGGATGCTGGC
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AGAATCAGGGTATCAACTGGCAGTCCCCAATGACTCGGAGGCTGGCACCAGAAGAAGCCTCACAC
CCAGAGTCCCAGGGAGTGGGGTGGGAAGGAGAAGTGGCGCGTGGCAGAGGGATCAGAAGGCTGAGCAC
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CCCCAAGGTACACCCTAGGAAAGATGGAACTCCATTCTGTAGAAAGGCAGAAGCATTCTGGGGGAAA
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GTTGAGGTGTGGCCGACTGTGCCCGCAGGAGGGCCTGGCCCTTTGGTGTGGAGCTGGCCCTGTGCG
GCAGCAGGAGCTGGCCTCTGTGCTGAGAGAATACTTGTCTCGGCTGCCCTGGGCCGGCAGCTGACCAAA
CAGCTGCCCTCTCACCTGCTTACTTTGGAGAAGATGGCATCTTCAGGCATGACCGGCTTCGCTTACAG
ATTTTGTGGATGCCTTGGAGGACAGCCTGGAGGAGGTGGCACTGAAACAGACAGGCGACGATGATGAAGT
GGATGACTTTGAGGACTTTGCTTTCGGCCACTTCTTTGGGACAAGGCCCTGAAGAAGAGGTCACGAAAG
AAGGAGAAGCACTCCTGGAACCCAGAGTTGTGGGGCCAGGGAAGAGCACAGCCGCCATCCGCACCCT
ACCACCAAGGC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >MG210312 representing BC026838
Red=Cloning site Green=Tags(s)

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MASCPDSDNSWVLGSENLPVETLGPEPRMDPESEGASQALRDSSKADGKELAGTLDGEEKLFQTESSQR
ETA VLTESA AKGTLGADGHGTEAPGDTVVQEDSQETPVATSLGPD TDLESEIHPQNL P S PRAVWKEHR
CSSSDDDDTDVDVEGLRRRRRGREPSSSQPVVPVDVEDQAKGEGIGGELGISLNMCF LGALVLLGLGILLFS
GTLLEPETGPMEEAELQVFPETGPETELVETLGNRQDEIEHLQASSVPPDSVPSLQSMGFLLDKLAKENQ
DIRLLQAQLQAQKEELQSL LHQPKGLEEENARLREALQQGKTS HQALESELQQLRARLQGLEANCVRGVD
GVCLNWGGDPQDGKATKEQGHKGQEPDPSLLEQHKQLEAEAKALRQELQRQWQLLGSVHWDLQRGLRDAG
RGAPAHPLAELGHMLAQTLDLENQGINTRSPNDSEAWHQKKPHTQSPREWGKKEKWRGGQRDQKAEH
WKPRKEESGQERQRSWRDEGREHTGRWREDRLRADESGSRKDSKRQDPKVHPRKDGNSHsverQKHSWGK
DNSPDALSSWEELLRRKYRPPQCGSGVADCARQEGLALFGVELAPVRQELASVLRREYLSRLPWAGQLTK
QLPLSPAYFGEDGIFRHDR LFRDFVDALEDSLEEVALKQTGDDDEVDDFEDFVGHFFGDKALKKRSRK
KEKHSWNPRVVGPREEHSRPHHHYHQG
```

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: BC026838

ORF Size: 2181 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:

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: [BC026838.1](#)

RefSeq Size: 2449 bp

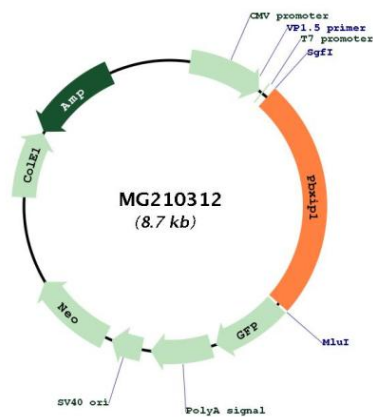
RefSeq ORF: 2183 bp

Locus ID: 229534

Cytogenetics: 3 F1

Gene Summary: Regulator of pre-B-cell leukemia transcription factors (BPXs) function. Inhibits the binding of PBX1-HOX complex to DNA and blocks the transcriptional activity of E2A-PBX1. Tethers estrogen receptor-alpha (ESR1) to microtubules and allows them to influence estrogen receptors-alpha signaling (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG210312