

Product datasheet for **MR210312**

Pbxip1 (BC026838) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pbxip1 (BC026838) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pbxip1
Synonyms:	MGC38361
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide
Sequence:**

>MR210312 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCTCTGCCAGACTCAGATAATAGCTGGGTGCTCGCTGGTTCTGAGAATCTGCCTGTGGAGACTC
 TGGGCCCAAGAACCAGGATGGACCCAGAATCTGAGGGAGCCTCCAGGCCCTTCGGGACTCCTCCAAGGC
 AGATGGCAAAGAATTAGCTGGGACCTTGATGGAGAAGAGAAGCTTTCCAGACGAAAAGTTCCAGAGA
 GAAACTGCTGTTCTGACAGAGTCTGCGGCCAAGGGCACTCTGGGAGCCGATGGTCATGGGACGGAGGCC
 CTGGAGACACAGTGGTCCAGGAAGATTCGAGGAGACTCCTGTGGCGACGAGCCTCGGACCAGACACACA
 GGACTGGAGAGTGAGATCCATCCACAGAACTTACCCTCCAGTCCAGAGCAGTTTGAAAGAGCATCGC
 TGCTCCAGCAGTGACGACGACTGATGTAGATGTGGAGGGTCTGCGGAGACGGAGGGGCCGGAGCCCA
 GCTCATCCAGCCGTGGTACCCGTAGATGTGGAGGACCAGGCCAAGGGCGAGGGTATAGGTGGAGAGCT
 GGGCATCTCCCTCAACATGTGTTTCTGGGGCCCTGGTTCTTCTGGGCCTGGGGATCCTCTGTTCTCT
 GGTACACTGCTGGAGCCCGAGACTGGGCCATGGAGGAAGCCGAGTTGCAGGTCTTCCAGAAAACGGGGC
 CGGAGACTGAACTGGTAGAGACTCTGGGGAACAGGCAGGATGAGATAGAGCACCTGCAGGCTTCAAGTGT
 CCCACCAGACAGTGTCCCAGCCTGCAGAGCATGGGGTTTCTGCTGGACAAGCTGGCCAAGGAGAACCAG
 GATATCCGGTGTGTCAGGCTCAGTACAGGCTCAGAAAGAAGAACTTCAGAGCCTGTTGCACCAGCCCA
 AAGGGCTGGAGGAGGAGAATGCCCGCTCCGGGAAGCCCTGCAGCAGGGCAAGACCTCCCACCAGGCCCT
 AGAATCAGAACTGCAGCAGCTAAGGGCCGACTCCAAGGGCTAGAGGCTAACTGTGTCCGGGGTGTAGAT
 GGGGTGTGTCTCAACTGGGTGGAGATCCACAGGATGGCAAGGCCACTAAAGAACAAGGCCACAAGGGGC
 AGGAGCCAGACCCAGCTTATTGGAGCAGCATAAGCAGCTTGAGCGGAGGCCAAGGCCCTAAGGCAGGA
 GCTGCAGAGACAGTGGCAGCTGCTGGGGTCTGTGCACTGGGACCTGCAGAGGGGCTTGCGGGATGCTGGC
 CGGGGAGCCCCAGCTCACCTGGCTGGTGAACCTCGGTCACATGTTGGCCAGACACTGCAGGACCTCG
 AGAATCAGGGTATCAACTGGCAGTCCCCAATGACTCGGAGGCTGGCACCAGAAGAAGCCTCACAC
 CCAGAGTCCCAGGGAGTGGGGTGGGAAGGAGAAGTGGCGCGTGGCAGAGGGATCAGAAGGCTGAGCAC
 TGGAAGCCGAGGAAGGAGGAGTCTGGCCAGGAGAGGCAAGGAGCTGGAGGGATGAGGGCCGGGAGCACA
 CTGGGCGCTGGAGGGAGGACAGACTGCGGGCGGACGAATCTGGGAGCAGAAAGGACAGCAAGCGACAGGA
 CCCAAGGTACACCCTAGGAAAGATGGAACTCCATTCTGTAGAAAGGCAGAAGCATTCTGGGGGAAA
 GACAACAGCCCTGACGCCCTGTCTCTGGGAGGAGCTGCTGAGGCGCAAGTACCGACCCCTCAGGGCT
 GTTCAGGTGTGGCCGACTGTGCCCGCAGGAGGGCCTGGCCCTCTTGGTGTGGAGCTGGCCCTGTGCG
 GCAGCAGGAGCTGGCCTCTGTGCTGAGAGAATACTTGTCTCGGCTGCCCTGGGCCGGCAGCTGACCAAA
 CAGCTGCCCTCTCACCTGCTTACTTTGGAGAAGATGGCATCTTCAGGCATGACCGGCTTCGCTTACAG
 ATTTTGTGGATGCCTTGGAGGACAGCCTGGAGGAGGTGGCACTGAAACAGACAGGCGACGATGATGAAGT
 GGATGACTTTGAGGACTTTGCTTTCGGCCACTTCTTTGGGACAAGGCCCTGAAGAAGAGGTACGAAAG
 AAGGAGAAGCACTCCTGGAACCCAGAGTTGTGGGGCCAGGGAAGAGCACAGCCGCCATCCGCACCCT
 ACCACCAAGGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR210312 protein sequence
Red=Cloning site Green=Tags(s)

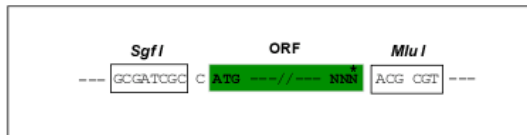
MASCPDSDNSWVLGSENLPVETLGPEPRMDPESEGASQALRDSSKADGKELAGTLDGEEKLFQTESSQR
 ETAVLTESAAKGTLGADGHGTEAPGDTVQEDSQETPVATSLGPDQDLESEIHPQNLPPSSPRAVWKEHR
 CSSSDDDDTDVDVEGLRRRRRGREPSSSQPVVVDVEDQAKGEGIGGELGISLNMCF LGALVLLGLGILLFS
 GTLLEPETGPMEEAELQVFPETGPETELVETLGNRQDEIEHLQASSVPPDSVPSLQSMGFLLDKLAKENQ
 DIRLLQAQLQAQKEELQSL LHQPKGLEENARLREALQQGKTS HQALESELQQLRARLQGLEANCVRGVD
 GVCLNWWGGDPQDGKATKEQGHKGQEPDPSLLEQHKQLEAEAKALRQELQRQWQLLGSVHWDLQRGLRDAG
 RGAPAHPLAELGHMLAQTLDLENQGINTEGRSPNDSEAWHQKKPHTQSPREWGKKEKWRGGQRDQKAEH
 WKPRKEESGQERQRSWRDEGREHTGRWEDRLRADESGSRKDSKRQDPKVHPRKDGNSHsverQKHSWGK
 DNSPDALSSWEELLRRKYRPPQCGSGVADCARQEGLALFGVELAPVRQQLASVLRREYLSRLPWAGQLTK
 QLPLSPAYFGEDGIFRHDRLRF RDFVDALEDSLEEVALKQTDGDDDEVDDFEDFVGHFFGDKALKKRSRK
 KEKHSWNPRVVGPREEHSRPHHHYHQG

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

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

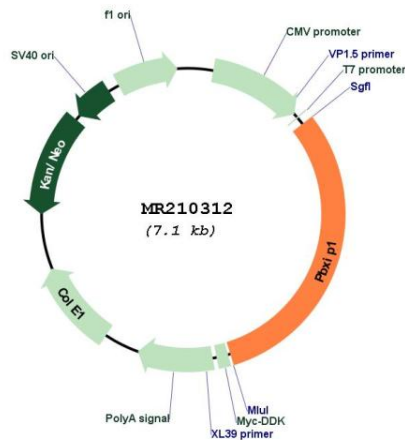
Locus ID: 229534

Cytogenetics: 3 F1

MW: 81.2 kDa

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 MR210312