

Product datasheet for **RG203692**

PBXIP1 (NM_020524) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	PBXIP1
Synonyms:	HPIP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence: >RG203692 representing NM_020524
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCCTCCTGCCAGACTCTGATAATAGCTGGGTGCTTGCTGGCTCCGAGAGCCTGCCAGTGGAGACAC
TGGGCCCGGCATCCAGGATGGACCCAGAATCTGAGAGAGCCCTGCAGGCCCTCACAGCCCCCTCAAGAC
AGATGGGAAAGAATTAGCTGGGACCATGGATGGAGAAGGGACGCTCTTCAGACTGAAAGCCCTCAGTCT
GGCAGCATTCTAACAGAGGAGACTGAGGTCAAGGGCACCTTGAAGGTGATGTTTGTGGTGTGGAGCCTC
CTGGCCCAAGGAGACACAGTAGTCCAGGGAGACCTGCAGGAGACCACGTGGTGACAGGCCTGGGACCAGA
CACACAGGACCTGGAAGGCCAGAGCCCTCCACAGAGCCTGCCTTCAACCCCAAGCAGCTTGGATCAGG
GAGGAGGGCCGCTGCTCCAGCAGTGACGATGACACCGACGTGGACATGGAGGGTCTGCGGAGACGGCGGG
GCCGGGAGGGCCGCCCACCTCAGCCCATGGTGCCCTGGCTGTGGAGAACCAGGCTGGGGGTGAGGGTGC
AGGCGGGGAGCTGGGCATCTCCCTCAACATGTGCCTCCTTGGGGCCCTGGTTCTGCTTGGCTGGGGTGC
CTCCTCTTCTCAGGTGGCTCTCAGAGTCTGAGACTGGGCCCATGGAGGAAGTGGAGCGGCAGGTCTCC
CAGACCCCGAGGTGCTGGAAGCTGTGGGGACAGGCAGGATGGGCTAAGGGAACAGCTGCAGGCCCACT
GCCTCTGACAGTGTCCCAGCCTGCAAAACATGGGTCTTCTGCTGGACAAGCTGGCCAAGGAGAACCAG
GACATCCGGCTGCTGCAGGCCAGCTGCAGGCCCAAGGAAGAGCTTCAGAGCCTGATGCACAGCCCA
AAGGGCTAGAGGAGGAGAATGCCAGCTCCGGGGGGCTCTGCAGCAGGGCGAAGCCTTCCAGCGGGCTCT
GGAGTCAGAGCTGCAGCAGCTGCGGGCCCGGCTCCAGGGGCTGGAGGCCGACTGTGTCCGGGGCCAGAT
GGGGTGTGCCTCAGTGGGGTAGAGGCCACAGGGTGACAAGGCCATCAGGGAGCAAGGCCCCAGGGAGC
AGGAGCCAGAACTCAGCTTCTGAAGCAGAAGGAACAGCTGGAGGCTGAGGCACAGGCATTAAGGAAGA
GTTAGAGAGGCAGCGACGGCTGCTGGGGTCTGTACAGCAGGATCTGGAGAGGAGCTTGCAGGATGCCAGC
CGCGGGGACCCAGCTCATGCTGGCTTGGCTGAGCTGGGCCACAGATTGGCCAGAACTGCAGGGCCTGG
AGAACTGGGGCCAGGACCTGGGGTCTTGCCATGCCTCAAAGGCCTGGCACCAGAAAGTCCCACTTCCA
GAATTCTAGGGAGTGGAGTGGAAGGAAAAGTGGTGGGATGGGCAGAGAGACCGGAAGGCTGAGCACTGG
AAACATAAGAAGGAAGAATCTGGCCGGGAAAGGAAGAAGAACTGGGGAGGTGAGGAGGACAGGGAGCCAG
CAGGAAGGTGGAAGGAGGGCAGGCCAAGGGTGGAGGAGTGGGGAGCAAGAAGGAGGGCAAGCGACAGGG
CCCCAAGGAACCCCAAGGAAAAGTGGTAGCTTCCACTCCTCTGGAGAAAAGCAGAAGCAACCTCGGTGG
AGGGAAGGGACTAAGGACAGCCATGACCCCTGCCATCCTGGGCAGAGCTGTTGAGGCCAAGTACCGGG
CACCCAGGGCTGCTCAGGTGTGGACGAGTGTGCCCGCAGGAGGGCCTGACTTCTTTGGCACAGAGCT
AGCCCCAGTGCGGCAACAGGAGCTGGCCTCTCTGCTAAGAACATACTTGGCACGGCTGCCCTGGGCTGGG
CAGCTGACCAAGGAGCTACCCCTCTCACCTGCTTTCTTTGGTGAGGATGGCATCTTCCGTCATGACCGCC
TCCGCTTCCGGGATTTTGTGGATGCCCTGGAGGACAGCTTGGAGGAGGTGGCTGTGCAACAGACAGGTGA
TGATGATGAAGTAGATGACTTTGAGGACTTCATCTTCAGCCACTTCTTTGGAGACAAAGCACTGAAGAAG
AGGTACAGGAAGAAGGACAAGCACTCACAGAGCCCAAGAGCTGCGGGGCCAGGGAGGGGCACAGCCATA
GCCACCACCACCACCGGGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG203692 representing NM_020524

Red=Cloning site Green=Tags(s)

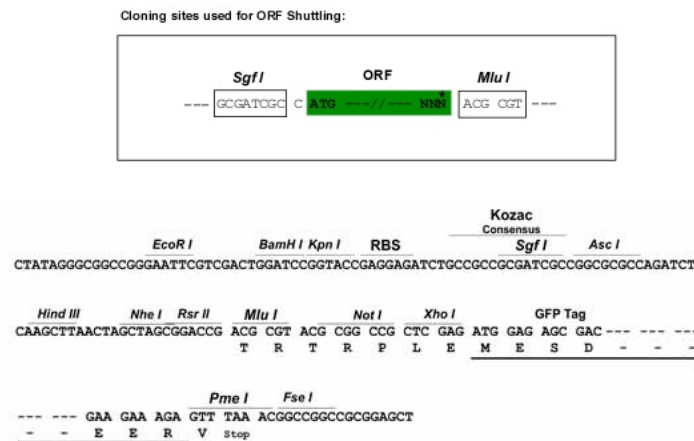
MASCPDSNSWVLAGESELPVETLGPASRMDPESERALQAPHSPSKTDGKELAGTMDGEGTLFQTES PQS
GSILTEETEVEKGTLEGDVCGVEPPGPGD TVVQDGLQETT VVTGLGPD TDLEGGSP PQSLPSTPKAAWIR
EEGRCSSDDDDTDVMEGLRRRRGREAGPPQPMVPLAVENQAGGEGAGGELGISLNMCLLGALVLLGLGV
LLFSGGLSESETGPMEEVERQVLPDPEVLEAVGDRQDGLREQLQAPVPPDSVPSLQNMGLLLDKLAKENQ
DIRLLQAQLQAQKEELQSLMHQPKGLEEENALRGALQQGEAFQRALESELQQLRARLQGLEADCVRGPD
GVCLSGGRGPQGDKAIREQGPREQPELSFLKQKEQLEAEAALRQELERQRRLLGSVQQDLERSLQDAS
RGDPAHAGLAELGHLAQKLQGLENWGQDPGVSANASKAWHQKSHFQNSREWSGKEKWWDGQRDRKAEHW
KHKKEESGRERKKNWGGQEDREPAGRWKEGRPRVEESGSKKEGKRQGPKEPPRKSGSFHSSGEKQKQPRW
REGTKDSDHPLPSWAELLRPKYRAPQGC SGVDECARQEGLTFFGT ELAPVRQQELASLLRTYLARLPWAG
QLTKELPLSPAFFGEDGIFRHDRLRFRDFVDAEDSLEEVA VQQTGDDDEVDDFEDFIFSHFFGDKALKK
RSGKKDKHSQSPRAAGPREGHS SHHHHHHRG

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN:

NM_020524

ORF Size:

2193 bp

OTI Disclaimer:

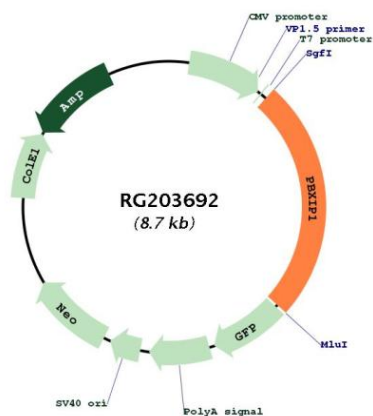
The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_020524.4
RefSeq Size:	3213 bp
RefSeq ORF:	2196 bp
Locus ID:	57326
UniProt ID:	Q96AQ6
Cytogenetics:	1q21.3
Protein Families:	Transcription Factors
Gene Summary:	The protein encoded by this gene interacts with the PBX1 homeodomain protein, inhibiting its transcriptional activation potential by preventing its binding to DNA. The encoded protein, which is primarily cytosolic but can shuttle to the nucleus, also can interact with estrogen receptors alpha and beta and promote the proliferation of breast cancer, brain tumors, and lung cancer. Several transcript variants encoding different isoforms have been found for this gene. More variants exist, but their full-length natures have yet to be determined. [provided by RefSeq, Dec 2015]

Product images:



Circular map for RG203692