

## Product datasheet for SC117237

### Peregrin (BRPF1) (NM\_004634) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Peregrin (BRPF1) (NM_004634) Human Untagged Clone
Tag:	Tag Free
Symbol:	Peregrin
Synonyms:	BR140; IDDDFP
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC117237 sequence for NM_004634 edited (data generated by NextGen Sequencing)

```

ATGGGGGTGGACTTTGATGTGAAGACTTTCTGCCACAACCTGCGGGCGACTAAGCCACCA
TACGAGTGCCCGGTGGAGACCTGCCGAAAGGTCTACAAGAGTTACAGTGGTATTGAGTAC
CACCTGTACCACTATGACCACGACAACCCACCACCCCAACAACAACTCCACTCCGCAAG
CACAAGAAAAAGGGGCGCCAGTCACGCCAGCCAACAAGCAGTCACCCAGCCCCTCAGAG
GTCTCACAGTCACCAGGCCGTGAGGTGATGAGCTATGCACAGGCCAGCGCATGGTGGAG
GTGGACTTGCATGGCCGCTCCACCGCATCAGCATCTTTGACAACCTGGATGTGGTGTCA
GAGGATGAGGAAGCCCCGAGGAGGCCCTGAGAATGGCAGCAACAAGGAGAACACTGAG
ACACCAGCTGCTACTCCAAGTCAGGCAACATAAGAACAAGGAGAAGCGCAAGGACTCC
AACCATCACCACCACCACAATGTTTCTGCGAGCACCCTCCAAGCTGCCAGAGGTGGTC
TATCGGGAGCTGGAACAGGACACCCTGATGCCCCACCCGCGCAACTTCTATTACCGG
TACATCGAGAAGTCTGCAGAGGAGCTGGACGAGGAAGTAGAGTATGACATGGACGAGGAG
GACTACATCTGGCTGGATATCATGAATGAGCGTCGGAAGACAGAGGGTGAAGTCCCATC
CCGAGGAGATCTTTGAGTACCTAATGGACCGACTGGAGAAGGAGTCGTAATTTGAGAGT
CATAATAAAGGCGACCCTAATGCGCTAGTGGACGAGGATGCTGTTTGTGTATCTGCAAT
GATGGTGAAGTCCAGAACAGCAATGTCATCCTCTTCTGTGACATGTGCAACCTGGCCGTG
CACCAGGAGTGCTACGGTGTCCCCTATATCCCTGAGGGCCAGTGGCTGTGCCCGGTTGC
CTGCAGTCACCCTCTCGTGTGCTGGATTGTGCCCTGTGCCCAACAAGGGCGGTGCCTTC
AAGCAGACAGATGACGGGCGCTGGGCCCATGTGGTGTGTGCCTTGTGGATCCCTGAGGTC
TGCTTCGCAACACGGTCTTCTAGAGCCTATTGACAGCATTGAGCACATCCCACCAGCT
CGCTGGAAGCTCACCTGTACATTTGAAACAACGGGGCTCAGGGGCTGCATCCAGTGC
CACAAGGCCAACTGTTACACAGCTTTCCATGTGACATGCGCCAGCAGGCTGGCCTTTAC
ATGAAGATGGAGCCTGTGCGGGAGACAGGCGCCAACGGCACCTTTTCAGTGTCCGCAAG
ACAGCCTACTGCGACATCCACACGCTCCAGGTTACAGCAGCCGACTGCCTGCCCTGTCC
CACAGCGAGGTTGAGGAGGATGAAGATGAGGAGGAGGATGAGGGTAAGGGCTGGAGCTCA
GAGAAAGTCAAGAAGGCCAAGGCCAAGTCCCGGATCAAAATGAAGAAGGCACGGAAGATC

```



[View online »](#)

CTGGCAGAGAAGCGGGCAGCAGCACCTGTGGTGTCAAGTCCCTGCATCCCACCACACAGG  
 CTTAGTAAAAATCACCAACCGCCTGACCATCCAAAGGAAGAGCCAGTTCATGCAGAGGCTG  
 CACAGCTACTGGACACTGAAGCGGCAGTCACGGAATGGGGTCCCATTGCTACGTCGCCTG  
 CAGACACACCTGCAATCTCAGAGGAAGTGTGACCAAGTTGGGAGAGATTCTGAGGATAAG  
 AACTGGGCCCTTAAAGAACAGCTCAAGTCTGGCAGCGGCTCCGGCATGACTTGGAGCGA  
 GCTCGGCTGCTCGTGAATTGATCCGCAAGCGGGAAAACTCAAAGGGAGACGATCAAG  
 GTTCAGCAGATTGCCATGGAGATGCAGCTGACTCCTTTCTCATCCTCCTTCGCAAAACC  
 TTGGAGCAGTCCAAGAGAAGGACACAGGCAACATCTTCAGCGAGCCGGTCCCTCTGTCT  
 GAGGTACCTGACTACCTAGACCACATCAAAAAGCCCATGGACTTTTTTACCATGAAGCAG  
 AACTTGGAGGCTTACCGTACCTGAATTTTGTGATTTTGGAGAGGACTTCAACCTCATC  
 GTCAGCAACTGCCTCAAGTATAACGCCAAGGACACCATCTTCTACCGGGCAGCAGTGCAG  
 CTTCTGTGAGCAGGGTGGTGTGCTCCGCCAGGCCCGGCCAGGCAGAAAAAATGGGC  
 ATTGACTTTGAGACGGGCATGCATATCCCCACAGCCTGGCTGGAGATGAGGCCACACAC  
 CACACTGAAGATNNNNCGAGGAAGAGCGGCTGGTCTTGTGGAGAACCAGAAGCACCTG  
 CCAGTGAAGAACAGCTAAAGCTGCTTCTGGAGCGGCTGGACGAAGTGAATGCCAGCAAG  
 CAGAGTGTGGGCCGCTCACGGCTGCAAAGATGATCAAGAAAGAGATGACGGCAGTGCAG  
 CGGAAGCTTGCCATCAGCGAGAGACGGGACGTGATGGCCCTGAGCGGCATGGCCCTCG  
 AGCCGGGGTAGTCTGACACCCACCCGGCAGCCTGTGACAAGGATGGGCAGACAGATAGT  
 GCGGCAGAGGAGAGCAGCAGCCAGGAGACAAGCAAAGGCTGGGTCCCAACATGCTCTCA  
 ACCCCCGCACATGAGGTGGGCAGGAGAACCTCAGTTCTGTTCTCCAAAAAGAACCAGAAG  
 ACAGCTGGACCGCCAAAGAGGCCGGGCCGGCCCCAAAAACCGGAGAGCCAGATGACC  
 CCCAGCCACGGAGGCAGTCTGTGGGGCCCCCAGCTCCCATCATGAGTTCCTGCGT  
 CAGCGCAAGCGGGTAGGAGCCCCGGCCAGTTCGAGCTCAGACAGCGACAGTGATAAG  
 TCCACAGAAGACCCCAATGGACTTACCAGCCAATGGCTTCAGCGGTGGAACCAACCA  
 GTGAAGAAGATTTCTTGGTATACCGTAATGACTGCAGCCTTCCCGGAGCAGCTCAGAC  
 TCTGAGTCCAGCAGCAGTAGCAGTAGCAGCGCTTCCAGACCGACCAGCACAAACGCC  
 TCAAAACAAGGCCGGGGCAAACCCTCCTTCTCTCGGGCACTTTCCAGAGGACAGCAGT  
 GAGGATACCTCAGGCACTGAGAATGAGGCCTACTCCGTGGGCACTGGCCGCGGCTGGGC  
 CACAGCATGGTAAGGAAGAGTCTGGGCCGGGAGCTGGCTGGCTGTCAGAGGATGAGGAC  
 TCCCCGCTGGATGCTCTGGACCTCGTGTGGCCAAATGCCGAGGCTATCCATCATACCCA  
 GCTCTGATCATTGATCCAAGATGCCCGAGAAGGTATGTTCCACCATGGGGTCCCATC  
 CCTGTGCCCCACTGGAGGTGCTGAAACTTGGGGAGCAGATGACCCAGGAAGCCCGAGAG  
 CATCTCTACCTCGTCTTCTTTGACAACAAACGAACCTGGCAGTGGCTGCCCAGGACC  
 AAGCTGGTTCTCTGGGTGTGAACCAGGACCTAGACAAGGAGAAGATGCTGGAGGGCCGC  
 AAGTCCAACATCCGCAAGTCAGTACAGATCGCCTACCACAGGGCTCTGCAGCACCAGCAG  
 AAGGTGAAGGGCAGCAGAGCAGTGAAGCAGCGATAGTGATTGA

Clone variation with respect to NM\_004634.2  
 2293 g=>n;2294 c=>n;2295 a=>n;2296 g=>n;2297 c=>n

**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_004634 unedited  
 CCATTAGTATACGACTACTATAGGCGGCCGCAATTCGCACGAGGCGGAATCCCGGGG  
 AGCCGGGACCAAAGCGTGGGGCGGCAGGGGGCCGGGTGGCGAGGTCTACGGTCTCCGGA  
 GTTGGGGTCCCCCTTCCCGGCCGACTTCCCGCCGACCTCCCAAGTGGGGTCGGAG  
 CCCCAGGGGGCGCCCCGGCGATGAGCCCGGACTCGAGGTGGCCGACGTGACAGCATGGG  
 GGTGGACTTTGATGTGAAGACTTTTCCACAACCTTCCGGGGGACTAAGCCACCATACGA  
 GTGCCCGGTGGAGACCTGCCGAAAGGTCTACAAGAGTTACAGTGGTATTGAGTACCACCT  
 GTACCCTATGACCACGACAACCCACCACCCCAACAACAACTCCACTCCGCAAGCACAA  
 GAAAAAGGGGCGCCAGTACGCCAGCCAAACAAGCAGTACCCAGCCCTCAGAGGTCTC  
 ACAGTCACCAGGCCGTGAGGTGATGAGCTATGCACAGGCCAGCGCATGGTGGAGGTGGA  
 CTTGCTAGGCCGCTCCACCGCATCAGCCTCTTTTGACCACCCTGGATGTGGTGTACAC  
 GATGAGGAAGCCCCCGAGGAGGCCCTGAGAATGGCAGCCACAAGGCAGAACACTGAGA  
 CACCAGTTGCTACTCTCAAGTACGCCAACCTAACAACAAGGAGAAGCGCAGGGATTCAA  
 CCCTCACCACCACCCATGTTTTGCGAACACCCTCCAGCTGCCAAAGGGGGTATCG  
 GGAGCCGAACCAGACACCCTGGTGCCCCACCCGCTCAACTCCTTATAACCGGTCACTAA  
 AATCTCGCAAGAGCCGGACCAGGAATCCAGTTGACTTGACCAAGGCGCCCACTCCGGCCG  
 CAATACGAAAGAACCCTCGAAGAATAGGGGTAATCCCTACCCACAGATCTTGAGTCCC  
 TAAGGACCN

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM\_004634 unedited  
 TGTAACGACGGCCCGCATTCTAGTAGTCGAGTTTTTTTTTTTTTTTTTTAGTACCAA  
 ATGACTCTGGCGCAGCCCGAAACGCAGCTACAAATGAGACATAATTTAAATTCTCCGAT  
 AATTACAGTATTTACAACAGCAGGGGAGGGAGTACCTATTGCCCTCTCCAGGCTGGA  
 CAGATGCCCACTCACCTCAGCACCAGGTAGGGGCCCCAGGCCTTAGGCAGTTATGGATT  
 TCCTGGCATGAGCAGGTAGAGGTGGTGGGATGGCTGTTTTACGCAGTGTCTAACTTTG  
 GCCCACCACCCCGCCCTACAATGCTGTGAGGTCTCTGGAGCTTTTTCTGACCTGTGGCC  
 CTCCCTCTCCTTGCCTGAACCTGCCATTGGCCCTTGAGTGTCTGTACAGAACAGCTGT  
 ACTTATGGCAGGAGGGACCTCCCCACCCAGCTTCCCCTGAGACTGGCCCAAGACCATA  
 AATGAGTCAGTGCACAGGCCGGTGCCACCTCCAGGACAGCGAGCACAGGGGAGGAGAGAA  
 GCCACAGGGCACTATAGGCTGGGCTGTGTTGAACATTATCAACACTATCGCTGGTCTAC  
 TGCTCTGCACGCCCTGAACCTTGATGCGGTGCTGAATAGCCCTGTGGTATGCGAACTGAT  
 CTGACTTGGGACGTTGAACTTGCCTCTCCAACAATTTCTCTTTGTTAGGATCTGGTT  
 CCACTAGAAGAACCAATTTGCTCCTGGGAACCCTGCTAAAACCGCTGGTGCACATAATAG  
 GCACAGGATCAACGCTATCGGCTTTCTGGGTCCCGCTACCAACTATCCTACTTCTCG  
 GGGGCTCATGAATGCCACCTTCTGGTGGACATCACTCGCGCCCTCTTCGATATAGCTC  
 CATACGTGGATCTAGACATACTAGATCTTGTCTCCTGACAGCTCAGANTACACCGCGGAT  
 ACTAAACCATGCCACTAAG

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_004634

**Insert Size:**

4540 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](mailto: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](#)

**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:** [NM\\_004634.2](#), [NP\\_004625.2](#)

**RefSeq Size:** 4710 bp

**RefSeq ORF:** 3645 bp

**Locus ID:** 7862

**UniProt ID:** [P55201](#)

**Cytogenetics:** 3p25.3

**Domains:** PWWP, BROMO, PHD

**Protein Families:** Druggable Genome, Transcription Factors

**Gene Summary:** This gene encodes a bromodomain, PHD finger and chromo/Tudor-related Pro-Trp-Trp-Pro (PWWP) domain containing protein. The encoded protein is a component of the MOZ/MORF histone acetyltransferase complexes which function as a transcriptional regulators. This protein binds to the catalytic MYST domains of the MOZ and MORF proteins and may play a role in stimulating acetyltransferase and transcriptional activity of the complex. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2016]  
 Transcript Variant: This variant (2) lacks an in-frame segment in the coding region, as compared to variant 1. The encoded isoform 2 is thus shorter than isoform 1.