

Product datasheet for **MC229479**

Brpf1 (NM_001282127) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Brpf1 (NM_001282127) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Brpf1
Synonyms:	4833438B11Rik; 4930540D11Rik; Brpf2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC229479 representing NM_001282127 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGGTGGACTTTGACGTGAAGACCTTCTGCCACAATTTGCGGGCAACTAAGCCACCATATGAGTGCC
CTGTGGAGACTTGCCGCAAGTTTACAAGAGTTACAGTGGTATCGAGTACCACCTGTACCCTATGACCA
CGACAGCCACCACCCACAGCAGACCCCACTGCGCAAGCACAAAAAGAAAGGGCGCCAGTCACGACCA
GCCAACAAGCAGTCACCCAGCCCTCTGAAGTCTCACAGTCACCAGGCCGAGAGGTGATGAGCTATGCTC
AGGCCAGCGCATGGTAGAAGTGGACCTTCATGGCCGTGCCACCGAATCAGCATCTTTGACAACCTGGA
TGTGGTGTGAGAGGATGAGGAGGCCCTGAGGAGGCCCTGAGAAATGGCAGCAACAAGGAAAACACTGAG
ACACCTGCGGCTACACCTAAGTCAGGCAAGCATAAGAACAAGGAGAAAACGAAAAGACTCTAACACCACC
ATCACAGCGCTCCTGCCAGTGTCTCCCAAAATGCCTGAGGTGGTGTATCGTGAGCTAGAGCAAGATAC
CCCTGACGCACCACCCGGCCCACTTCTACTACCGGTACATCGAGAAATCTGCAGAGGAGCTGGATGAG
GAGGTGGAGTATGACATGGATGAAGAGGACTATATCTGGCTGGATATCATGAATGAGCGCGGAAGACTG
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TGAGAGTCACAATAAAGGTGACCCCAATGCACTAGTGGATGAAGATGCCGTGTCTGTATCTGCAATGAT
GGCGAGTGCCAGAACAGCAATGTTATCCTCTTCTGTGACATGTGTAACCTGGCTGTGCACCAGGAGTGT
ACGGTGTCCCCTATATCCCTGAAGGCCAGTGGCTGTGCCCGCTTGCCTGCAGTCACCTTCTCGTGCAAT
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GTGTGTGCTTGTGGATCCCTGAGGTTTCTTTGCCAACACAGTCTTCTAGAACCTATTGACAGCATTG
AGCACATCCACCAGCTCGTGGAAGCTCACCTGCTACATTTGTAACAGCGGGCTCTGGAGCCTGCAT
CCAGTGCCATAAGGCCAATTGCTACACAGCCTTCATGTGACATGTGCCAACAAGCTGGCCTTTACATG
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ACATCCACACACCCCAAGTTCTGCTCGTCGCTGCCTGCCCTATCCACAGTGAGGGTGTAGGAAGAAGA
GGATGAAGAAGAAGATGAGGGTAAAAGCTGGAGCTCAGAGAAGGTCAAGAAGGCCAAGGCCAAGTCTCGG



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ATTAAGATGAAGAAAGCTCGGAAGATCTTGGCAGAGAAGAGGGCAGCAGCACCTGTGGTGTCCGTGCCCT
GCATCCC GCCACACAGGCTCAGTAAGATACCAACCGCCTGACCATCCAGAGGAAGAGCCAGTTCATGCA
GAGGCTGCACAGCTACTGGACTCTGAAACGACAATCACGGAATGGGGTCCCCTACTCAGGCGCCTACAA
ACACACCTTCAGTCTCAGAGAACTGTGAACAAGTTGGGAGAGATTCTGATGATAAAAACTGGGCCCTCA
AAGAACAGCTCAAGTCTGGCAGAGACTGCGGCATGACCTGGAGCGAGCTCGGCTGCTGGTGGAGCTGAT
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CCTTTCTCATCTCTCCGAAAACTTGGAGCAGCTCCAAGAGAAGGACACAGGCAACATCTTCAGCG
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GAAGCAGAACTTGGAGGCTTACCCTACTTGAACCTTGTGATTTTGGAGGAGACTTCAACCTCATTGTC
AGCAACTGCCTAAAGTATAATGCCAAGGACACCATCTTCTACAGGGCAGCAGTGCAGTCCGTGAGCAGG
GTGGTGTGTGCTCCGTCAAGCCCGGCACAGGCAGAAAAATGGGCATTGACTTTGAGACGGGCATGCA
TATCCCTCACAACCTGGCCGGAGATGAGGTCTCACACCACACTGAAGATGTAGAGGAAGAACGGCTGGTC
CTGCTGGAGAACCAGAAACCTGCCAGTAGAAGAACAGCTGAAGTTGTTGCTGGAGAGGCTGGATGAAG
TCAATGCCAGCAAGCAGAGTGTGGGCCGCTCTCGGCGTGCAAAAATGATCAAGAAGGAGATGACAGCATT
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GCAGCCAGGAAACAAGCAAAAGGCCTGGGTCCCAACATGTCTCAACCCCGCACATGAGGTGGGCAGGAG
AACCTCAGTTCTGTTCTCAAAAAGAACCAGGACAGCTGGACCGCCAAGAGGCCGGGCCGCCGCCCA
AAAAACGGGAGAGCCAGATGACCCCGCCAGCAGGAGGAGTCCCTGTGGGGCCCCCTCAGCTCCCATCA
TGGGCTCCCTACGTACGCGCAAGCGGGGTAGGAGCCCCGGCCAGTTCAAGCTCAGACAGCGACAGTGA
TAAGTCCACAGAAGATCCCCAATGGACTTACCAGCCAATGGCTTCAGCAGTGGGAACAGCCAGTGAAG
AAGAGTTTCTTGGTGTACCGTAATGACTGCAACCTTCCCCGAAGCAGCTCAGACTCTGAGTCCAGCAGCA
GCAGCAGCAGAGTGCAGCTCAGACCGGACCAGCACAACCTCCCTCAAAAACAAGGCAAGGCAAGCCCTC
TTTCTCTCGGGGACATTCCCAGAAGACAGTAGTGAAGTACCTCAGGCACTGAGAATGAGGCCTACTCC
GTGGGCACTGGCCGCGGCGTGGGCCACAGCATGGTAAGAAAGAGTCTGGGTCGAGGAGCTGGCTGGCTGT
CAGAGGATGAGGACTCCCGTTGGATGCTCTGGACCTCGTGTGGGCCAAATGCCGAGGCTATCCATCATA
CCCAGCTCTGATCATTGATCCAAAGATGCCCGGAGAAGGTATGTTCCACCATGGGGTTCTATCCCTGTA
CCACCACTGGAGGTTCTAAAACCTGGGGAACAAATGACACAGGAAGCCCGAGAGCATCTCTACCTCGTTC
TCTTCTTTGACAACAAACGAACCTGGCAGTGGCTGCCCGGACTAAGCTTGTCTCTGGGTGTGAACCA
GGATCTAGACAAGAGAAGATGCTGGAGGGCCGCAAGTCCAACATCCGCAAGTCAGTGCAGATTGCTTAC
CACAGGGCTCTGCAGCACCGAAGCAAGGTGCAGGGTGGCAGAGCAGCGAGACCAGCGATAGTGACTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001282127
- Insert Size:** 3639 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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_001282127.1](#), [NP_001269056.1](#)

RefSeq Size: 4546 bp

RefSeq ORF: 3639 bp

Locus ID: 78783

UniProt ID: [B2RRD7](#)

Cytogenetics: 6 E3

Gene Summary: Component of the MOZ/MORF complex which has a histone H3 acetyltransferase activity. Preferentially mediates histone H3-K23 acetylation (PubMed:27939640). Positively regulates the transcription of RUNX1 and RUNX2 (By similarity).[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (3) differs in the 5' UTR and has multiple differences in the central coding region, compared to variant 1. The encoded isoform (3) is shorter, compared to isoform 1.