

Product datasheet for MC202327

Brpf1 (NM_030178) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Brpf1 (NM_030178) Mouse Untagged Clone
Tag: Tag Free
Symbol: Brpf1
Synonyms: 4833438B11Rik; 4930540D11Rik; Brpf2
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC046521 sequence for NM_030178
 CTGCTGCTGCCGCGCTGCCACAGCCTTTGCCGCCACGGTCTCGCCGCTGCTGTTCTGTGCCGCCCTCCA
 GGAGCCCCCATTTGTCCCGCGGCACCGGTTCCAGGCCAGAAGATCCAAAAGCTCGGAAACGCGAA
 GATGTGACAGCATGGGGTGGACTTTGACGTGAAGACCTTCTGCCACAATTTGCGGGCAACTAAGCCACC
 ATATGAGTGCCCTGTGGAGACTTGCCGCAAGGTTTACAAGAGTTACAGTGGTATCGAGTACCACCTGTAC
 CACTATGACCACGACAGCCACCACCCACAGCAGACCCCACTGCGCAAGCACAAGAAAGAAAGGGCGCC
 AGTCACGACCAGCCAACAAGCAGTCACCCAGCCCTCTGAAGTCTCACAGTCACCCAGGCCGAGAGGTGAT
 GAGCTATGCTCAGGCCAGCGCATGGTAGAAGTGGACCTTCATGGCCGTGCCACCGAATCAGCATCTTT
 GACAACTGGATGTGGTGTGAGAGGATGAGGAGGCCCTGAGGAGGCCCTGAGAATGGCAGCAACAAGG
 AAAACTGAGACACCTGCGGCTACACCTAAGTCAGGCAAGCATAAGAACAAGGAGAAACGAAAAGACTC
 TAACCACCACCATCACAGCGCTCCTGCCAGTGCTGCTCCCAAATTCCTGAGGTGGTGTATCGTGAGCTA
 GAGCAAGATACCCTGACGCACCACCCCGCCACTTCTACTACCGGTACATCGAGAAATCTGCAGAGG
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 GAGTCGTAATTTGAGAGTCACAAATAAAGGTGACCCCAATGCACTAGTGGATGAAGATGCCGTGTGCTGTA
 TCTGCAATGATGGCGAGTGCCAGAACAGCAATGTTATCCTCTTCTGTGACATGTGTAACCTGGCTGTGCA
 CCAGGAGTGCTACGGTGTCCCCTATATCCCTGAAGGCCAGTGGCTGTGCCGCCGTGCCTGCAGTCACCT
 TCTCGTGCAAGTGGATTGTGCTCTGTGCCCAATAAGGGTGGTGCCTTCAAGCAGACAGATGATGGCCGCT
 GGGCCACGTGGTGTGCTTGTGGATCCCTGAGGTTTGGCTTTGCCAACACAGTCTTCTAGAACCTAT
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 AGCCTACTGTGACATCCACACACCCCAAGTTCTGCTCGTGCCTGCCTGCCCTATCCCACAGTGAGGGT
 GAGGAAGAAGAGGATGAAGAAGAAGATGAGGGTAAAAGCTGGAGCTCAGAGAAGGTCAAGAAGGCCAAGG
 CCAAGTCTCGGATTAAGATGAAGAAGCTCGGAAGATCTTGGCAGAGAAGAGGGCAGCAGCACCTGTGGT
 GTCCTGCCCCTGCATCCCGCCACACAGGCTCAGTAAGATCACCAACCGCCTGACCATCCAGAGGAAGAGC
 CAGTTCATGCAGAGGCTGCACAGCTACTGGACTCTGAAACGACAATCACGGAATGGGGTCCCCTACTCA



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GGCGCCTACAAACACACCTTCAGTCTCAGAGGAACTGTGAACAAGTTGGGAGAGATTCTGATGATAAAAA
CTGGGCCCTCAAAGAACAGCTCAAGTCCTGGCAGAGACTGCGGCATGACCTGGAGCGAGCTCGGCTGCTG
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GCCCGGAGAAGGTATGTTCCACCATGGGTTTCTATCCCTGTACCACCACTGGAGTTTCTAAAACCTGGG
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GGCAGTCTCAGGGGAAGTTGGGTAGGGGAGGTCCTCCTGCCCTGAGTGCAGCTGGACTGTACAAAACA
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ATGGCATTGTAGGGCAGGGTGGTGGGCCACAGTAAGAATACTGTAAAAACAGGCCCTACCACCTTACC
TACTCATGCCAGGGGAATTCATACCTGCCTAGAGGCCCTGAGGCCCTTGCAGGTGGTAAGGTAATTCAGCA
TCATCCCAGCCTAGCCGTGGGATTGATGTCTGTCTAGCCTGGAAGAGGGGCACTAGGTGACCCCTCCCT
GCTGTTGTAATACTGTAATTATTGGAGAATTTAAATTATTCTCATTGTAAGTTCGCTTCCGGTCCGG
CCAGAGTCATTTGGTACTAAAAAAAAAAAAAAAA
    
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- Restriction Sites:** RsrII-NotI
- ACCN:** NM_030178
- Insert Size:** 3741 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).
- 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: [BC046521](#), [AAH46521](#)

RefSeq Size: 4443 bp

RefSeq ORF: 3741 bp

Locus ID: 78783

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 (2) differs in the 5' UTR and uses an alternate in-frame splice site in the central coding region, compared to variant 1. The encoded isoform (2) is shorter, compared to isoform 1.