OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for MC229482

Brpf1 (NM_001282128) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Brpf1 (NM_001282128) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Brpf1
Synonyms:	4833438B11Rik; 4930540D11Rik; Brpf2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC229482 representing NM_001282128 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGGGGGTGGACTTTGACGTGAAGACCTTCTGCCACAATTTGCGGGCAACTAAGCCACCATATGAGTGCC CTGTGGAGACTTGCCGCAAGGTTTACAAGAGTTACAGTGGTATCGAGTACCACCTGTACCACTATGACCA CGACAGCCCACCACCCCCACAGCAGACCCCACTGCGCAAGCACAAAAAGAAAGGGCGCCAGTCACGACCA GCCAACAAGCAGTCACCCAGCCCCTCTGAAGTCTCACAGTCACCAGGCCGAGAGGTGATGAGCTATGCTC AGGCCCAGCGCATGGTAGAAGTGGACCTTCATGGCCGTGTCCACCGAATCAGCATCTTTGACAACTTGGA TGTGGTGTCAGAGGATGAGGAGGCCCCTGAGGAGGCCCCTGAGAATGGCAGCAACAAGGAAAACACTGAG ACACCTGCGGCTACACCTAAGTCAGGCAAGCATAAGAACAAGGAGAAACGAAAAGACTCTAACCACCACC ATCACAGCGCTCCTGCCAGTGCTGCTCCCAAATTGCCTGAGGTGGTGTATCGTGAGCTAGAGCAAGATAC CCCTGACGCACCACCCCGGCCCACTTCCTACTACCGGTACATCGAGAAATCTGCAGAGGAGCTGGATGAG GAGGTGGAGTATGACATGGATGAAGAGGACTATATCTGGCTGGATATCATGAATGAGCGGCGGAAGACTG AGGGTGTAAGTCCCATCCCACAAGAGATCTTTGAGTACTTAATGGACCGTTTGGAGAAGGAGTCGTACTT TGAGAGTCACAATAAAGGTGACCCCAATGCACTAGTGGATGAAGATGCCGTGTGCTGTATCTGCAATGAT GGCGAGTGCCAGAACAGCAATGTTATCCTCTTCTGTGACATGTGTAACTTGGCTGTGCACCAGGAGTGCT ACGGTGTCCCCTATATCCCTGAAGGCCAGTGGCTGTGCCGCCGTTGCCTGCAGTCACCTTCTCGTGCAGT GGATTGTGCTCTGTGCCCCAATAAGGGTGGTGCCTTCAAGCAGACAGATGATGGCCGCTGGGCCCACGTG GTGTGTGCCTTGTGGATCCCTGAGGTTTGCTTTGCCAACACAGTCTTCCTAGAACCTATTGACAGCATTG AGCACATCCCACCAGCTCGGTGGAAGCTCACCTGCTACATTTGTAAACAGCGGGGCTCTGGAGCCTGCAT CCAGTGCCATAAGGCCAATTGCTACACAGCCTTCCATGTGACATGTGCCCAACAAGCTGGCCTTTACATG AAGATGGAACCTGTGCGGGAGACAGGTGCCAATGGTACCTCCTTTAGCGTCCGCAAGACAGCCTACTGTG ACATCCACACACCCCCAGGTTCTGCTCGTCGCCTGCCTGCCCTATCCCACAGTGAGGGTGAGGAAGAAGA GGATGAAGAAGAAGATGAGGGTAAAAGCTGGAGCTCAGAGAAGGTCAAGAAGGCCAAGGCCAAGTCTCGG ATTAAGATGAAGAAAGCTCGGAAGATCTTGGCAGAGAAGAGGGCAGCAGCACCTGTGGTGTCCGTGCCCT

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GCATCCCGCCACACAGGCTCAGTAAGATCACCAACCGCCTGACCATCCAGAGGAAGAGCCAGTTCATGCA
GAGGCTGCACAGCTACTGGACTCTGAAACGACAATCACGGAATGGGGTCCCACTACTCAGGCGCCTACAA
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CCGAGGCTATCCATCATACCCAGCTCTGATCATTGATCCAAAGATGCCCCGAGAAGGTATGTTCCACCAT
GGGGTTCCTATCCCTGTACCACCACTGGAGGTTCTAAAACTTGGGGAACAAATGACACAGGAAGCCCGAG
AGCATCTCTACCTCGTTCTCTTCTTTGACAACAAACGAACCTGGCAGTGGCTGCCCCGGACTAAGCTTGT
TCCTCTGGGTGTGAACCAGGATCTAGACAAAGAGAAGATGCTGGAGGGCCGCAAGTCCAACATCCGCAAG
TCAGTGCAGATTGCTTACCACAGGGCTCTGCAGCACCGAAGCAAGGTGCAGGGTGAGCAGAGCAGCGAGA
CCAGCGATAGTGACTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001282128

Insert Size: 3657 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_001282128.1, NP_001269057.1
RefSeq Size:	4796 bp
RefSeq ORF:	3657 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 (4) uses an alternate in-frame splice site, and lacks an in-frame segment in the central coding region, compared to variant 1. The encoded isoform (4) is shorter, compared to isoform 1.