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 MC229515

Brpf1 (NM_001282126) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Brpf1 (NM_001282126) 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:	>MC229515 representing NM_001282126 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

View online »

GCATCCCGCCACACAGGCTCAGTAAGATCACCAACCGCCTGACCATCCAGAGGAAGAGCCAGTTCATGCA
GAGGCTGCACAGCTACTGGACTCTGAAACGACAATCACGGAATGGGGTCCCACTACTCAGGCGCCTACAA
ACACACCTTCAGTCTCAGAGGAACTGTGAACAAGTTGGGAGAGATTCTGATGATAAAAACTGGGCCCTCA
AAGAACAGCTCAAGTCCTGGCAGAGACTGCGGCATGACCTGGAGCGAGCTCGGCTGCTGGTGGAGCTGAT
CCGCAAGCGAGAGAAACTAAAAAGGGAGACGATCAAGATCCAGCAGATTGCCATGGAGATGCAGCTGACC
CCTTTCCTCATCCTCCTCCGAAAAACCTTGGAGCAGCTCCAAGAGAAGGACACAGGCAACATCTTCAGCG
AGCCGGTCCCTCTGTCTGAGGTACCCGACTACCTAGACCACATCAAAAAGCCCATGGACTTTTTCACCAT
GAAGCAGAACTTGGAGGCTTACCGCTACTTGAACTTTGATGATTTTGAGGAGGACTTCAACCTCATTGTC
AGCAACTGCCTAAAGTATAATGCCAAGGACACCATCTTCTACAGGGCAGCAGTGCGACTCCGTGAGCAGG
GTGGTGCTGTGCTCCGTCAAGCCCGGCGACAGGCAGAAAAAATGGGCATTGACTTTGAGACGGGCATGCA
TATCCCTCACAACCTGGCCGGAGATGAGGTCTCACACCACACTGAAGATGCAGTAGAGGAAGAACGGCTG
GTCCTGCTGGAGAACCAGAAACACCTGCCAGTAGAAGAACAGCTGAAGTTGTTGCTGGAGAGGCTGGATG
AAGTCAATGCCAGCAAGCAGAGTGTGGGCCGCTCTCGGCGTGCAAAAATGATCAAGAAGGAGATGACAGC
ATTGCGGCGGAAGCTTGCTCACCAGCGGGAGACTGGCCGGGATGGGCCTGAGCGTCATGGCCCCTCAGGT
CGGGGCAATCTGACACCCCACCCAGCAGCCTGTGACAAAGATGGACAGACCGACAGTGCTGCAGAAGAGA
GCAGCAGCCAGGAAACAAGCAAAGGCCTGGGTCCCAACATGTCCTCAACCCCCGCACATGAGGTGGGCAG
GAGAACCTCAGTTCTGTTCTCCAAAAAGAACCCGAAGACAGCTGGACCGCCCAAGAGGCCGGGCCGGCCC
CCAAAAAACCGGGAGAGCCAGATGACCCCCAGCCACGGAGGCAGTCCTGTGGGGCCCCCTCAGCTCCCCA
TCATGGGCTCCCTACGTCAGCGCAAGCGGGGTAGGAGCCCCCGGCCCAGTTCAAGCTCAGACAGCGACAG
TGATAAGTCCACAGAAGATCCCCCAATGGACTTACCAGCCAATGGCTTCAGCAGTGGGAACCAGCCAGTG
AAGAAGAGTTTCTTGGTGTACCGTAATGACTGCAACCTTCCCCGAAGCAGCTCAGACTCTGAGTCCAGCA
GCAGCAGCAGCAGCAGTGCAGCCTCAGACCGGACCAGCACAACTCCCTCAAAACAAGGCAGGGGCAAGCC
CTCTTTCTCTCGGGGCACATTCCCAGAAGACAGTAGTGAAGATACCTCAGGCACTGAGAATGAGGCCTAC
TCCGTGGGCACTGGCCGCGGCGTGGGCCACAGCAGTAAGTACCCTCACCCAAAGTCAGGGGTGCTGGGGA
CCCAGTTTCAAGGCCTTGCCAGCCCCCCAGCTGCTGATCCGCCCCCTCTCTCCCGTTCCTGTGAAGTGGT
AAGAAAGAGTCTGGGTCGAGGAGCTGGCTGGCTGTCAGAGGATGAGGACTCCCCGTTGGATGCTCTGGAC
CTCGTGTGGGCCAAATGCCGAGGCTATCCATCATACCCAGCTCTGATCATTGATCCAAAGATGCCCCGAG
AAGGTATGTTCCACCATGGGGTTCCTATCCCTGTACCACCACTGGAGGTTCTAAAACTTGGGGAACAAAT
GACACAGGAAGCCCGAGAGCATCTCTACCTCGTTCTCTTCTTTGACAACAAACGAACCTGGCAGTGGCTG
CCCCGGACTAAGCTTGTTCCTCTGGGTGTGAACCAGGATCTAGACAAAGAGAAGATGCTGGAGGGCCGCA
AGTCCAACATCCGCAAGTCAGTGCAGATTGCTTACCACAGGGCTCTGCAGCACCGAAGCAAGGTGCAGGG
TGAGCAGAGCAGCGAGACCAGCGATAGTGACTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001282126

Insert Size: 3744 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_001282126.1, NP_001269055.1
RefSeq Size:	4883 bp
RefSeq ORF:	3744 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 (1) represents the longest transcript and encodes the longest isoform (1).