

Product datasheet for RC215683

BRPF3 (NM_015695) Human Tagged ORF Clone

Product data:

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|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | BRPF3 (NM_015695) Human Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | BRPF3 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| ORF Nucleotide Sequence: | >RC215683 representing NM_015695 Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGATCGCC

ATGAGGAAGCCTCGTCGGAAGTCCCAGCAGAATGCCGAGGGCCGGCGTTCCCGTCCCCCTACAGTCTCA
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CTCTCCTTTCAGAGGAAAACCAAGTTTATGCAGCGGCTTCACAATTATTGGCTGTTGAAGCGGAGGCAC
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GCAGGATGAGAAGACAAGTGCAGTGAAGGAGGAGCTGAAGTATTGGCAGAAGCTCCGGCATGACTTGGAG
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC215683 representing NM_015695
 Red=Cloning site Green=Tags(s)

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MRKPRRKSQRNAEGRSPSPYSLKCSPTRETLTYAQAQRIVEVDIDGRLHRI SIYDPLKIITEDELTAQD
ITECNSNKENSEQPQFPGKSKKPSKGGKKESSKSHASGTSFHLPPQPSFRMVDSGIQPEAPPLPAAYRY
IEKPPEDLDAEVEYDMDEEDLAWLDMVNEKRRVDGHSLSVADTFELLVDRLEKESYLESRSSGAQQLSID
EDAFCCVCLDDECHNSNVILFCDICNLAVHQECYGVPIPEGQWLCRCCLQSPSRPVDCILCPNKGGAFAK
QTSDBGHWAHVCAIWIPEVCFANTVFLEPIEGIDNIPPARWKLTCYICKQKGLGAAIQCHKVNCYTAFHV
TCAQRAGLFMKIEPMRETSNGTIFTVRKTAYCEAHSPPGAATARRKGDSPRSISETGDEEGLKEGDGEE
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LSFQRKNQFMQRLHNYWLLKRQARNGVPLIRRLHSHLQSQRNAEQREQDEKTSAVKEELKYWQKLRHDL
RARLLIELIRKREKLKREQVKVQQAAMELELMPFNVLLRRTL DLLQEKDPAHIFAEPVNLSEVPDYLEFI
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LRREINALRQKLAQPPPPQPPSLNKTVSNGLPAGPQGDAAVLEQALQEEPEDDGDRDSDSKLPPPPTLEP
TGPAPSLSEQESPPPEPTLKPINDSKPPSRFLKPRKVEEDELLEK SPLQLGNEPLQRLSDNGINRLSLM
APDTPAGTPLSGVGRRTSVLFKKAKNGVKLQRSPDRVLENGEDHGVAGSPASPASIEEERHSRKRPRRSR
CSESEGERSPQEEETGMTNGFGKHTESGSDSECSLGLSGGLAFEAACGLTPPKRSRGPALSRVPFLEG
VNGDSDYNGSGRSLLLPFEDRGDLEPELVVAKCRGYPSYPALIDPKMPREGLLHNGVPIVPPPLDVLK
LGEQKQAEAGEKLFVLFFDNKRTWQWLPKDKVPLGVEDTVDKLKMLEGKRTSIRKSVQVAYDRAMIH
SRVGRPHSFVTSSYL
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TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8028_f01.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



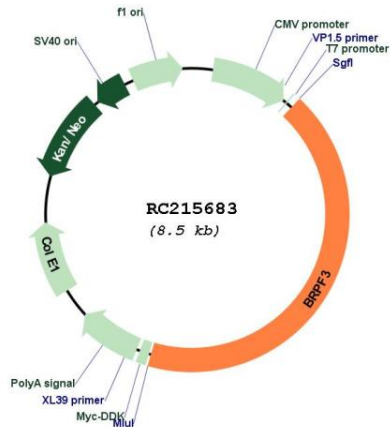
* The last codon before the Stop codon of the ORF

ACCN: NM_015695

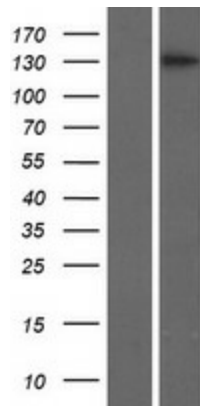
ORF Size: 3615 bp

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| OTI Disclaimer: | 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 |
| OTI Annotation: | This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene. |
| 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: | <ol style="list-style-type: none">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_015695.3 |
| RefSeq Size: | 6018 bp |
| RefSeq ORF: | 3618 bp |
| Locus ID: | 27154 |
| UniProt ID: | Q9ULD4 |
| Cytogenetics: | 6p21.31 |
| Protein Families: | Druggable Genome |
| MW: | 135.6 kDa |
| Gene Summary: | Component of the MOZ/MORF complex which has a histone H3 acetyltransferase activity. [UniProtKB/Swiss-Prot Function] |

Product images:



Circular map for RC215683



Western blot validation of overexpression lysate (Cat# [LY414389]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC215683 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).