

Product datasheet for **VC101158**

BcRF1 (NC_007605) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BcRF1 (NC_007605) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	BcRF1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>The Viral ORF clone VC101158 represents NCBI reference of YP_401698 with codon optimized for human cell expression

Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGACACAGGAAAGCGCGAGATGGGCGGTGGACTGGAGGGCTTCTCCTCTCAGCTCGGACTGTTTTATG
CCCTGGCCTGTAATCGATCCCCTCCCACTTTGCCTGAGGACGCCACTCTGCTCATAAAGTGGCTCGACAC
AGCCTTGGGAAGGGAGGCTACATTTTATGCCTGCCGGCCATGAGAAGACTTCTTCTGGCGTTATTAGG
ATGAACGACTGTCAAGAGCTTCCCCCGGACTGATTATTCTCTCCCTGGCACAGTCCCTGGCCCTCTGG
GGGTACAATCCCTCGAACATACAGATTGTGAGATCTGGTCTAGCGCACACCCAGACCATGCCGCACACCT
GCCAGTGCCAAGGTTCATTACATACACCGATTGCCGGGGTCTATAAATACCTCTAGCATGTTCCAGACTG
ATTATCAGATACCTGAGCCACCATCAGTTCGAACGGTCTTCGAGCAGTCTGCAGGGTCTGTTCCACGAA
GATTCCTGGGACATGTAACGCAACTCCGCCAAGATGCTGGCTCATCTTAACCAGTTACCAGAATACC
ACCGTGTCCACCCCTTAGCGGAAGAGAGGCCCGGTTGAAGTTCACTTTTTCAGTTGGTCAACTTTTATG
CTCAGCTGGCCAAATAATGCGACACTTCGGGAGATCCGAACAAGGGCAGCCACCAACCTCACACATCATC
CCCACCTCGTCGACACTCTACCACGCTTCTCCTCAGACTCCCTTCTCACCCGAGCGGGGGCGTGT
TAGGTTTCGTTACCTGTTGTAAGTGTACGCTCCCGAACATCTCAATCCAGCAGTGAAGGCCGGCGACCCG
CCAGGGCGACTTGGAAATCATTCTGCAGTCCAACGGAGGTGGTTCGACCTGCCTCCTCCAGTTTCTTCTCT
CTCCCACCGGCTCTGCTGAGGTGTATAGTGGCCGCTCCCTGCTCCAGAAGTATCTGTAGGACATCA
AGAGCTCAGCCCCCTGCGGTCCAGAAGCCAGGGGGCCAGACGGAGCTGCGGAGCGGACCCGATCCTGCT
CGGAGACTCGTGGCTCTTCTGAGAAGGGAGGATGGCGCCCCAAGGACCTCCACTTGGACCTTCGGAC
ACCCGCGAGGTCCCGGCCCGCAAAATCTGAAGACGAGGAGAGCGAGAGGAGGGATGCACCCCACTCC
ACTGGACTCTAGTTTCAAGCATCACGGTGGTCCCGTGGTCCCGGTTTCCGGCTTCTGGTTTTCAAC
ACAAACCGCGTAATCAACACTAAGCTTGTATGTTCTGAACCACTCGTGAAGTGAAGGTTTGAATGTCC
CCCGATTGATTAACAATTCGTGGCAGCAAAGTATGTTGTGAAAGAAACCGCTTTTACTGTGTCTCTCT
CTTCACAGATGGGGTAGGGCAAACCTGGCCATCAACGTCAACATCTCAGGCACCTACCTGAGCTTTCTG
CTGGCAATGACAAGCCTCCGCTGTTTCTGCTGTCGAGGCTATTTATCCTGCAGCCGTAAGTAAGTGA
ATTCTACTTTGATCTTCATGGACTGGAAAACAGTCTCTGGTGAGAGAAAACAGATCAGGCGTGTCTG
GACAACAAACTTCCCCTCTGTGGTTAGTTGTGGGACGGACTGAATGTGAGCTGGTTTAAGGCAGCCACC
GCAACTATCTCCAGGTTTACGGCCAAACATTGGAGCAGCACTTGATAAGAGAGATTACACCTATTGTCA
CACACCGCAAGCAAAAATTAGCCGCATAAAGAATAGACTGTTTACCCTCCTCGAGCTCAGAAAATCGGAG
CCAAATTCAGGTTCTGCATAAACGCTTCTGGAGGGACTTCTCGACTGCGCCAGTCTTCTGCGGCTCGAT
CCCAGCTGATTAATAGAATTGCCAGCGAAGGACTCTTTGACTTCTCAAAACGCTCTATTGCCATAGCA
AAAATCGCCATGAATGTGCCCTCCTGGGACATCGCCACTCAGCCAATGTTACAAAGCTGGTGTCAATGA
GAGGAAGACAAGATTGGATATACTTGGACGGAATGCCAATTTTCTGACTCGCTGTAAGCATCAAGTGAAT
TTGGCCAGAGTCTATCTTCTCACTTTGCTGAGGCATATCAGGCGGCGCTCGGCTGGGACGAGCAT
CTGTGAAGCGAGAAATCACCTCCTCCTGGCACACCTGCGCAAGAAAACGCACCTATCCATTGTGAGAGA
TGCTCAAGTA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >VC101158 representing YP_401698
 Red=Cloning sites Green=Tags

MTQGKREMGGLLEGFSSQLGLFYALACNRSPPTLPEDATLLIKWLDALGREATFYACRAMRRLLLGVIR
 MNDCQELPPGLIILSPGTVPGPLGVQSL EHTDCEIWSSAHPDHAHLVPRVITYTDCPGSINTSSMFR
 IIRYL SHHQFERCFEQFCRVVPRRFLGTCKRNSAKMLAHLNQVTRIPPCPPFSGREARLKFHFFSWSTFM
 LSWPNNATLREIRTRAATNLTHHPHLVDTLYHASPQTPFLTRSGALYRFVTCNCNCTLPNISIQQCKAGDR
 PGDLEIILQSNNGGRPASFPSSPTGSLLRCAASLLPEVSVGHQELSPLRSRSQGGQTDVRSQDPDA
 RRLVALLRREDGAPKDPPLGPFHGPRGPGAKSEDEESERRDAPPPPLDSSFQASRLVPVPGFRLLVFN
 TNRVINTKLVCEPLVKMRVCNVPRLINNFVARKYVVKETAFTVSLFFTDGVGANLAINVNISGTYLSFL
 LAMTSLRCFLPVEAIYPAAVSNWNSTLDLHGLNQSLVRENRSQVFWTTNFPVSVSCRDGLNVSWFKAAT
 ATISRVHGQTLQHLIREITPIVTHREAKISRIKNRFLTLELRNRSQIQVLHKRLEGLLDCAALLRLD
 PSCINRIASEGLFDFSKRSIAHSKNRHECALLGHRHSANVTKL VVNERKTRLDILGRNANFLTRCKHQVN
 LRQSPIFLTLLRHIRRRRLGLGRASVKREITLLLAHLRKKTAPIHCRDAQV

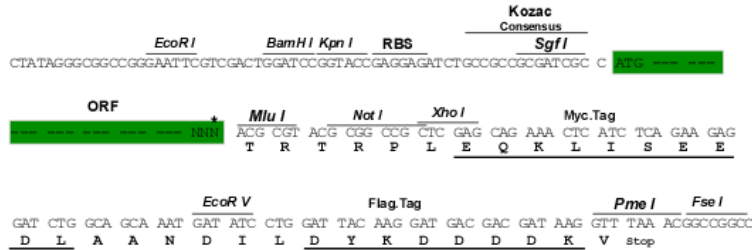
TRTRRLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja3028_c11.zip

Restriction Sites: Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NC_007605

ORF Size: 2250 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone can be viewed by clicking the "ORF Nucleotide Sequence" link above. This sequence represents the NCBI reference after codon optimization for human cell expression, and retaining the same decoded protein sequence. The stop codon in the native sequence was removed to create the in-frame c-terminal fusion with a Myc-DDK 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: [NC_007605.1](#), [YP_401698](#)

RefSeq ORF: 2250 bp

Locus ID: 3783690

UniProt ID: [P03211](#)

MW: 83.8 kDa