

Product datasheet for **VC101117**

BORF2 (NC_007605) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BORF2 (NC_007605) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	BORF2
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 VC101117 represents NCBI reference of YP_401655 with codon optimized for human cell expression

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

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTACCACCAGTCACGTGGAGCATGAATTGCTGAGCAAGCTGATCGACGAACTGAAGGTCAAGGCCA
ACAGCGATCCAGAAGCCGACGTCCTGGCGGGCAGGTTGCTGCATAGGTTGAAGGCAGAATCTGTGACGCA
CACTGTTGCCGAGTATCTGGAAGTGTAGCGACAAATCTACGATGAAGAGTTCTTTCAAATGCACCGG
GATGAGCTGGAGACGAGGATATCAGCCTTTGCCAGTCTCCAGCCTATGAAAGGATCGTAAGCTCAGGAT
ACCTGTCCGCACTCCGCTACTACGACACCTATCTTTATGTAGGACGAGCGGGAAGCAGGAGTCACTACA
GCACTTTTATATGCGGCTCGCTGGCTTCTGTGCTCAACCACATGCTTGTATGCTGGGCTTCGCGCCGCC
CTGCAGAGGGCTCGGCCGAGATAGAGTCAGATATGGAAGTCTTTGACTATTACTTTGAACACTTGACTT
CTCAGACAGTCTGTTGCAGTACCCGTTTATGCGCTTTGCTGGGGTGGAAAATCAACACTCGCTTCTTG
TATTCTACCACCCCGACCTCTAGCGAATGGGATGTTACACAGGCCTTGTATAGACACTGGGGCGG
TATCTCTTTCAAAGAGCCGGCGTTGGTGTGCGGGTGACCGGCGCCGGACAGGATGAAAAACATATAAGCC
TTCTCATGCGAATGATTAACCTCCATGTGGAATATCATAACTACGTTGCAAAAGGCCTGTGAGCCTTGC
CGCCTATATGGAACCTGGCACTCCAGATTTTAAAGTCTCGAGACCAAAATGCCAGAGAATCATGAG
CGATGCCCGGGGATATTTACCGGCTCTCGTCCCGAACTTTCTTCAAGCTCTCCGGGACACACCT
GGTCTGACTGGTACCTGTTTATCCCAAGGACGCCGAGACCTGGAAAGGCTCTACGGCGAGGAGTTTGA
GAGGGAATACTATCGCCTGGTACTGCCGCAAGTCTGCGGACGGTCACTATTAATCACTCATGTTT
TCAATAGTCAATTGTGCAGTTAAGGCTGGCAGCCCTTCATACTCTGAAGGAAGCATGCAACGCACATT
TTTGGAGAGATTTGCAGGGTGAAGCAATGAATGCTGCCAACCTTTGTGCCGAGGTCTCAACCTCCCG
CAAGAGTGTGCGACCTGCAACTTGCGCAATTTGTTTCCCGCATGCTGGTGAACGCACCTCTCGCA
GTGCGAGCCAGAGAGCAGACACCCAGGAGATGAGCTCTTGCTTGCCTGCCCGGCTCTCTGTACAT
TGCTTGGCGAAGGGGAGTGGGGATGGTTTCTACTGGCAGACTGCGGGACGTACACAGTGCACAAC
CTTCGTGGTGGCCTGTTCCATCTGCAGGGAAGCCCTACATACGACTCAAGAGATATGGCGTCCATGGGA
CTGGGCGTGCAGGGTGGCCGACGTTTTCGCTGACTTGGGATGGCAGTACACAGACCCTCTTCCAGAT
CCCTCAACAAGGAGATTTTGAACATATGATTTTACGGCTCTGTGCACCTCTCCCTCATTGGTCTTCA
CACCCGAAAGATTTTCCAGGATTAAGCAGTCAAATATGCAGGAGGATGGTCCACTGGCATGATTGG
GCGGGTACTGATCTTTCTATCCACGCGAAATTTGGTCCAGACTGTCGAGCGGATCGTGAGGGATGGGC
TCTTCAATAGCCAGTTTATCGCGCTGATGCCACCTCAGGTTGTGCACAGGTAACGGGTTGTTCCGATGC
CTTCTATCCATTTATGCCAACGCAAGCACCAAGGTACCAATAAGGAGGAGGCACTGCGGCCAAACCGG
AGCTTTTGGAGACATGTTGACTCGATGATCGCGAGGCCTTGAACCTTGTAGGCGGGAGAGTGTCTGTG
TCCCTGAAGCACTCCGGCAGAGGATCTCCGATTCCAAATGCATTTGACTACAACCAGGAAGATTTGAT
CCAGATGTCTAGGACCGCGCACCGTTCGTCGACCAGAGCCAGAGCCATTCCTTTTTCTCCGGGAAGAA
GATGCTGCACGAGCTAGCACCTCGCAACCTCCTGGTCCGCTCTTATGAACTTGGGCTGAAAACAATTA
TGTACTACTGCCGATTTGAGAAAGCTGCAGATCTTGGCGTCATGGAATGTAAGCGAGTGCCGCCCTCTC
AGTCCCCGCGAAGAACAAGAAAGAGCGGTCTCCCGCAGAGCAGATGCCACCAAGGCGGATGGAACCTGCC
CAAGTGGCTGGGCGGTCGATATCATGAGCAAAGGGCCTGGTGAAGGACAGGGGGTGGTGCCTGCCAG
GAGGGCTGGAGGTCTGCTACAAGTACCGGACGCTGTTACGCGAGGATGATTTGCTCGAAACCGATGGCTT
TACAGAGAGGGCGTGGAGTCTTGCCAG

ACGCGTACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >VC101117 representing YP_401655
Red=Cloning sites Green=Tags

MATTSHVEHELLSKLIDELKVKANSPEADVLGRLHRLKAESVTHTVAEYLEVFSDFYDEEFFQMR
DELETRVSAFAQSPAYERIVSSGYLSALRYDYTYLVGRSGKQESVQHFYMRLAGFCASTTCLYAGLRAA
LQRRARPEIESDMEVFDYYFEHLTSQTVCCSTPFMRFAGVENSTLASCILTPDLSEWDVTQALYRHLGR
YLFQRAGVGVGTGAGQDGKHSLLMRMINSHVEYHNYGCKRPVSAAYMEPWHSQIFKFLETCLPENHE
RCPGIFTGLFVPELFFKLFRDTPWSDWYLFDPKDAGDLERLYGEEFEREYRVLVTAGKFCGRVSIKSLMF
SIVNCAVKAGSPFILLKEACNAHFWRDLQGEAMNAANLCAEVLQPSRKSVAATCNLANICLPRCLVNAPLA
VRAQRADTQGDELLALPRLSVTLPGEGAVGDGFSLARLRDATQCATFVVACSIHQGSPYDSRDMASMG
LGVQGLADVADLWQYTDPPSRSLNKEIFEHMYFTALCTSSLIGLHTRKIFPGFKQSKYAGGWFHWHDW
AGTDL SIPREIWSRLSERIVRDGLFNSQFIALMPTSGCAQVTGCSDAFYPPFANASTKVTNKEEALRPNR
SFWRHVRLDDREALNLVGGVRSCLPEALRQRYLRFQTAFDYNQEDLIQMSRDRAFPVDQSQSHSLFLREE
DAARASTLANLLVRSYELGLKTIMYYCRIEKAADLVMECKASAALSVPREEQNERSPAEQMPPRPMEPA
QVAGPVDIMSKGPGGPGWCVPGGLEVCYKYRQLFSEDDLLETGDFTERACESCQ

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-Mlul

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_401655](#)

RefSeq ORF: 2478 bp

Locus ID: 3783725

UniProt ID: [P03211](#)

MW: 93.0 kDa