

## Product datasheet for VC101116

### BORF1 (NC\_007605) Virus Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	BORF1 (NC_007605) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	BORF1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC101116 represents NCBI reference of YP_401654 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAAAGTGCAGGGCAGCGTGGATAGGAGGCGCTTGCAGAGGCGAATAGCAGGGTTGCTCCCCCCCCGG  
CACGGCGCCTGAACATATCTAGGGGCTCTGAATTTACACGGGACGTTAGGGGCTGGTGGAGGAGCACGC  
ACAAGCCAGCTCTTTGAGTGCCCGCGTGTCTGGAGGGCCGACTGCTTGCTCCAGGAGAAGTGGCAGTG  
GCCGGCGGAGGCTCTGGTGGCGGTTCTTCTCTTGGTCAGGCTGGAGACCCCCGTGTTGGGGATTTTC  
TCATCCACGCTTCTTCTTCAACAATGCCGAAGCCACAGGCACCCCTCTCTTTTCAGTTTAAACAATCCGA  
TCCTTTTTCTGGCGTCGATGCTGTCTTTACCCGCTCAGTCTGTTCATACTTATGAACCATGGCAGGGGA  
GTGGCAGCCAGAGTGGAGGCCGGCGGGGCTGACGCGCATGGCTAACTTGTGTACGACTCACCTGCAA  
CTCTTGCAGACCTCGTCCCGACTTCGGGCGGCTTGTGCGCGATCGGCGATTCCATAATTCATCACACC  
AGTGGGGCCTCTGGTCGAGAATATTAATCAACCTACCTCAACAAAATTACTACGGTCGTCCATGGCCCT  
GTGGTATCCAAGCAATACCAAGATCAACCGTGAAGGTGACTGTGCCCAAGAAGCCTTTGTGGATCTGG  
ACGCTTGGTGTGAGGTGGGCGGGAGGCGGGGGGAGTTTGTGGTGTAGGGGGTCTGGGTTGCAGCC  
CTGTCTGCCGACGCCAGACTGTACGTTGCCCTCACATACGAGGAAGCTGGTCTCGATTTACTTTTTTT  
CAATCCAGCCGCGCCACTGCCAGATCATGAACATTCTCAGAATTTACTACTCTCCTAGTATCATGCACA  
GATATGCGGTGGTTCAGCCTCTGCATATCGAGGAGCTCACATTTGGTGCAGTGGCCTGTCTTGGTACATT  
CTCAGCCACCGAGGTTGGCGCCGAGCGCCTTAACTATCGGGTAGCAGTCTCCCTGTGCTGGAGATC  
GATTCCTTTTATTCTAACGTTTCAGACTGGGAGGTCATCTC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >VC101116 representing YP\_401654  
 Red=Cloning sites Green=Tags

MKVQGSVDRRRLQRRIAGLLPPPARRLNISRSEFTRDVRGLVEEHAQASSLSAAAVWRAGLLAPGEVAV  
 AGGSGGGGSFSWSGWRPPVFGDFLIHASSFNNAEATGTPLFQFKQSDPFSGVDVAVFTPLSLFILMNHGRG  
 VAARVEAGGGLTRMANLLYDSPATLADLVPDFGRLVADRRFHNFITPVGPLVENIKSTYLNKITTVVHGP  
 VVSKAIPRSTVKVTPVQEAQFVLDLAWLSGGAGGGGGVCFVGGGLGQPCADARLYVALTYEEAGPRFTFF  
 QSSRGHCQIMNLRYYSPSIMHRYAVVQPLHIEELTFGAVACLGTFSATDGWRRSAFNRYGSSLPVVEI  
 DSFYSNVSDWEVIL

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NC\_007605

**ORF Size:** 1092 bp

**OTI Disclaimer:** 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\\_401654](#)

**RefSeq ORF:** 1092 bp

**Locus ID:** 3783724

**UniProt ID:** [P03211](#)

**MW:** 39.2 kDa