

## Product datasheet for **VC101175**

### **BALF3 (NC\_007605) Virus Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	BALF3 (NC_007605) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	BALF3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>The Viral ORF clone VC101175 represents NCBI reference of YP\_401715 with codon optimized for human cell expression

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

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGC**C

ATGTCAGGTTTGCTGGCCGACGATATAGTCAGGTTACGCCCTCGCGGTGGAAGTGAAGTGTGTACTA  
GATTGGATCCGCGCAGCCTGGACGTGGCGGCAAGTGGTGAGAAATGCCGGGCTTCTTGCTGAGCTCGAGGC  
AATCCTTCTCCCAAGACTGCGACGGCAAACGATCGCGGTGCTCAGCTCTGTCCCTGGAAGTGGTGCAC  
CTCCTGAAAAATAGCAGAGAGGCTTCTGCGGCCTTGCTTGCCCCGGACGGAAGGGCACCAGAGTGCCTC  
CTCTGCGCACCCCTAGCGTCGCCTATAGTGTAGAATTCTACGGAGGGCACAAAGTAGACGTGTCCCTCTG  
CCTCATCAATGACATTGAAATTCTCATGAAACGGATAAATTCGTTTTCTACTGCATGTCCCATACCATG  
GGTCTGAAAAGCCTGGAGCGAGCGCTGGATCTGCTCGGTGCTTTCGCGGGGTGCCCTATCCCTGACC  
CGCGCCTGTATATTACCTCTGTGCGGTGTGGCGATGTGTAGGAGAGCTCATGGTCTGCCAAATCACGG  
TAATCCATCCACAGCGGAGGGGACACACGTGTCTTGCAATCACCTCGCAGTGCCCGTGAACCTGAACCC  
GTAAGTGGCCTGTTGAAAAATGAGGTACGGCAGGCAGGACTCGGACACCTGCTGGAGGCAGAAGAGAAGG  
CTCGGCCCTGGAGGCCCGAAGAAGGGGGCGGTGCCGGTCTGGCCGACCAGAAGCTGAAGGGCCACAAG  
AGCCCTGGACACCTACAATGTCTTTCCACAGTCCACCCGAGGTTGCGGAACTGTCCGAGCTGTTGTAT  
TGGAAATAGCGGGGGCATGTATTGGGGCAACCGCCAGGGAGAGGGAGGGGGGCATAGCCGACTGAGCG  
CATTGTTGCGCCGGGAGCGACGCCTTGCATTGGTGAGGGGGGCATGTGAAGAAGCACTTGCCGGGGCCAG  
ACTGACGCATCTGTTTGACGCAGTCGCCCTGGTGCCACAGAGAGGCTCTTTTGGGGGGGGTCTACAGC  
AGCTCCGGCGACGCCGTGGAGGCTCTCAAAGCCGATTGCGTGTCTGCTTTCACAGCTCACCCCAATATA  
GGCCATCCTGCAAAAACGGAACGAACTTTATACTAGACTGAACCGGGCTATGCAACGCCTTGGCCGGGG  
GGAGGAAGAGGCCAGTAGAGAAAGCCCTGAAGTACCCCGCCTGCTGGAGCCAGAGAGCCAGGTCCCAGC  
GGCGCTTTGTCAGATGCACTCAAGCGCAAAGAACAATATCTTCCGCGAGTGCACCCGAAGGACTCGCAA  
AGCTCCAGAGCTGTCTGCTCAGCAATCTGAGACACTGACCGAAACACTGTGTCTTAGGGTGTGGGGCGA  
CGTCGTTTACTGGGAGCTCGCACGGATGCGCAACCACTTTCTGTACCGCAGGGCATTGCTGTCCGGGCCG  
TGGGAAGACCGCAGAGCAGGAGAGGGGGTGCATTTGAGAACTCCAAGTACATAAAAACCTCACCTGTTTA  
CCCAGACTCTGAGCTCAGAGCACCTGCATGCATTGACACACTCCCTGTACACATTTATAACTGGCCCCCT  
CGCCGAAGAAAGTGGTCTGTTCCCTCCTCCAGCAATGTAGCCCTCGCCGCTGTTGCGATGCTGCCGGG  
ACATTGCCTCACCAAGAGGCTTTCTTGACTTCCCTGATTTGGCCTGGGATCGAGCCTTCTGACTGGATAG  
AACTAGTTTCAATTCCTTCTATTCTGTCCCAGGCGGCTCCTTGGCATCCTCTCAGCAGATATTGTGTAG  
AGCCCTGCGGGAAGCCGTCTCACCGTGTCCCTTTACAACAAGACTTGGGGCAGATCTCTGATATTGCGC  
CGGGCAGACGCTGTGCTCCAGGCCAAGCCCTGCCTCCGATGGTCTGTATCTGACCTACGACTCCGACA  
GGCCACTGATTTTGTGTATAAAGGCCGAGGTTGGGTGTTAAGGACCTGTATGCACTCCTGTACCTGCA  
TCTGCAATGAGAGATGATAGTGCT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >VC101175 representing YP\_401715  
Red=Cloning sites Green=Tags

MSGLLAAAYSQVYALAVELSVCTRLDPRSLDVAAVVRNAGLLAELEAILLPRLRRQNDRACSALSLELVH  
 LLENSREASAALLAPGRKGTRVPLRTPSVAYSVEFYGGHKVDVSLCLINDIEILMKRINSVFYCMSHTM  
 GLESLERALDLLGRFRGVSPIDPRLYITSVPCWRCVGMVLPNHGNPSTAEGTHVSCNHLAVPNPEP  
 VSGLFENEVRQAGLGHLLAEEEKARPGGPEEGAVPGPRPEAEGATRALDTYNVFTVPPEVAELSELLY  
 WNSGGHAIGATGQEGGGHSRLSALFARERRLALVRGACEEALAGARLTHLFDVAVPGATERLFCGGVYS  
 SSGDAVEALKADCAAFTAHPQYRAILQKRNELYTRLNRMQRLGRGEEASRESPEVPRPAGAREPGPS  
 GALSDALKRKEQYLRQVATEGLAKLQSCLAQQSETLTETLCLRWGDVVYWELARMRNFHYRRAFVSGP  
 WEDRRAGEGAFFENSKYIKTHLFTQTLSSHLHALTHSLYTFITGPLAEESGLFPPPSNVALARCCDAAG  
 TLPHQKAFSLTSLIWPGEPSDWIETSFNSFYVPGGSLASSQQILCRALREAVLTVSLYKNTWGRSLILR  
 RADAVSPGQALPPDGLYLYTDSRPLILLYKGRGWVFKDLYALLYLHLQMRDDSA

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**ACCN:** NC\_007605

**ORF Size:** 2055 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\\_401715](#)

**RefSeq ORF:** 2055 bp

**Locus ID:** 3783679

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

**MW:** 74.8 kDa