

Product datasheet for **VC101172**

BALF5 (NC_007605) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BALF5 (NC_007605) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	BALF5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC101172 represents NCBI reference of YP_401712 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTGGCGGGCTTTTTATAACCCCTTCCTTCGGCCTAACAAAGGGTCTCCTGAAGAAGCCAGACAAGG
AGTACCTGAGACTCATCCCTAAATGCTTTCAGACACCCGGTGCCCGGGGTGGTGGACGTGACAGGTCC
CCAGCCGCCTCTTTGCTTCTACCAGGATCCCTGACTGTCGTGGGTGGAGATGAGGACGGCAAGGGTATG
TGTGGCGACAACCGCCCAAGAGGGCACCGCTAGACCCGAGACACACCGGCTCCCTTTGGATT
TCCATGTCTACGACATTCTTGAACCTGTGTATACTCACGAAAAGTGTGCAGTGATACCTCTGACAAGCA
GGGATACGTGGTTCCTTGTGGTATTGTCATCAAACCTCCTGGGTGCGAGAAAAGCTGATGGGCGAGCGTG
TGCCTAATGTTTTCGGTCAACAGGCATATTTTTACGCTAGCGCTCCACAGGTTTTGGATGTGGAATTTG
CTGTCCTGTCCGCCTTGAAGGCCAGTACTTTTGACCGACGGACTCCCTGCCGGGTGTCTGTTGAAAAGGT
GACACGCCGATCCATAATGGGGTACGTAATCATGCTGGGGACTACCATAAGATCACCTTTTCACACCCA
AACAGTGTGTCACGTGGCGACCTGGCTTCAGGACAAGCACGGCTGTCGATTTTTGAAGCTAACGTTG
ACGCCACTCGGAGTTTCGTGCTGGATAACGACTTCGTTACCTTTGGATGGTACTCATGTAGACGCCCAT
ACCGAGACTTCAGCATAGGGACTCATATGCCGAACTCGAGTACGATTGTGAGGTTGGGGATCTGTCAGTT
AGAAGAGAGGACAGCTCTTGCCCAAGTTATCAGGCTCTTGCCCTTCGATATCGAATGTCTGGGAGAGGAAG
GGTTTCCACCGGACTAACGAGCCGACCTGATCCTGCAGATTTCTGTGACTCTGGAGCACGGGTGA
GGAAGCCGGTAGATACAGAAGAATACTTCTCACCTGGGGACCTGCGAGGACATTGAAGGTGTGGAGGTG
TATGAGTCCCTTCAGAGCTTGATATGCTTTACGCCTTCTCCAGTTGATTAGGGACTTGTCTGTCGAGA
TTGTCACCGGGTACAACGTGGCAAATTTGATTGGCCCTACATCTGGACAGAGCAAGGCATATTTACAG
CATCAATCCAGCCAGTCTTGAAAGATTAGGGCAGGCGGAGTATGCGAGGTGCGCCGACCCCATGATGCT
GGAAAGGGTTTTCTGAGAGCAAACACAAAGGTGCGGATTACTGGGTTGATCCCAATCGACATGTATGCCG
TGTGTAGGACAACCTCAGCCTGAGTACTATAAGCTGGATAACAGTGGCTCGCCACCTTTCGGGCCCAA
AAAGGAGAGCTCCATTACAAGGAGATACCAGACTGTTCCGCCGAGGTCTGAGGGACCGACGACTG
GGCATGTATTGTGTCAGGACTCAGCGCTGGTCATGGATCTTTGAACCACTTTGTGATTACGTCGAGG



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TAGCTGAAATAGCTAAGATTGCTCACATTCCGTGCCGCCGCGTTCTTGACGACGGCCAGCAGATCAGAGT
 GTTCAGTTGCTTGTGGCGGCAGCCAGAAAGAAAATTCATCCTGCCGATGCCAGTGCATCAGATAGA
 GATGGGTACCAGGGTGCAACCGTGATTACGCTCTTTCTGGGTTCTATAACAGCCAGTGCCTGGTGGTGC
 ACTTTGCATCACTCTATCCTTCCATCATCCAGGCTCATAATTTGTGCTACTCAACAATGATTACACCTGG
 CGAAGAACACCGACTGGCGGGTCTGAGACCAGGCGAAGATTACGAGTCATTACAGGCTGACCGGAGGGTT
 TACCACCTTTGTGAAAAACATGTTACAGAGTCTTCTGGCTTATTGCTCACAAGCTGGCTGCTAAAA
 GGAAAGCAATCAAGAAGTTGCTTGTGCTGCAAGACCCTAGACAGAGAACCCTCTGGACAAGCAACA
 GCTTGCCATTAATGTACATGCAACGCCGTATACGGTTTACCGCGTGGCCAATGGCCTCTTCCGTGT
 CTTTCAATTGCTGAGACCGTGACCTTGACGGGGAAGTATGTTGAAAGGGCTAAAGCTTTCGTTGAGG
 CCCTGAGCCAGCCAATCTGCAAGCCCTTGCCCGTCCCGGATGCATGGGCTCCGCTGAACCCGGAGGG
 ACAGCTTCGCGTCATTTACGGAGATACCGATAGCCTTTTTCATAGAATGCAGAGGGTTTTCCGAGTCTGAG
 AACTGCGGTTTCGCTGATGCCCTGGCCGCCACACAAGTGAAGCTTGTGTTGACCTATCTCTCTTG
 AAGCAGAGAAAACCTTCTCATGCCTGATGCTTATTACTAAAAGCGCTATGTGGGGTGTGACGGATGG
 AAAGACGCTTATGAAAGCGTGGAGCTGGTCCGAAAAACGGCGTGAAGTTTGTCAAACCCGCTGTCGC
 AGGGTGTGGATCTGGTCTGGCCGACGCTCGAGTCAAAGAAGCCGCTCTCTGCTCTCCACCGACCTT
 TTCAAGAGTCTTTTACCCAGGGTTGCCAGTGGGGTTCCTTCCCGTCATCGATATCCTGAATCAGGCCTA
 CACAGACCTGAGAGAAGGCAGAGTTCCTATGGCGAGTTGTGTTTCTCTACCGAGCTGTCACGAAAGCTG
 TCCGCTTACAAGTCTACACAGATGCCCATCTTGCAAGTATACCAGAAGTTCGTAGAGCGGAACGAAGAAC
 TGCCCCAGATCCATGACCGGATCCAGTACGTTTTTGTGGAGCCAAAGCGGTGTGAAAGGAGCCCGAAA
 GACTGAGATGGCTGAAGACCTGCTTATGCAGAACGACATGGGGTGCCTGTGGCCGTTGACCATTATTC
 GACAACTCCTGCAGGGTGGCGTAACATCCTCCAGTGCCTGTTTCGACAATAATCCGGGGTGCCTGT
 CTGTGCTCCAGAATTTTACTGCACGGCCCCGTTT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAGGTTTAA

Protein Sequence:

>VC101172 representing YP_401712
 Red=Cloning sites Green=Tags

MSGGLFYNPFLRPNKGLLKKPKDKEYLRLIPKCFQTPGAAGVVDVRGPQPPLCFYQDSLTVVGGDEDGKGM
 WWRQRAQEGTARPEADTHGSPLDFHVDILETVYTHEKCAVIPSDKQGYVPCGIVIKLLGRRKADGASV
 CVNVFGQAYFYASAPQGLDVEFAVL SALKASTFDRRTPCRVSVKVTRRSIMGYGNHAGDYHKITLSHP
 NSVCHVATWLQDKHGCRIFEANVDATRRFVLDNDFVTFGWYSCRRAIPRLQHRDSYAELEYDCEVGDLSV
 RREDSSWPSYQALAFDIECLGEEGFPTATNEADLILQISCVLWSTGEEAGRYRRILLTLGTCEIDIEGVEV
 YEFPELDMLYAFFQLIRDLSVEIVTGYNVANFDWPYILDRARHIYSINPASLGKIRAGGVCEVRRPHDA
 GKGFRLRANTKVRITGLIPIDMYAVCRDKLSLSDYKLDTVARHLLGAKKEDVHYKEIPRLFAAGPEGRRRL
 GMYCVQDSALVMDLLNHFVIHVEVAEIAKIAHIPCRRVLDGQQIRVFSCLLAAAQKENFILPMPASDR
 DGYQGATVIQPLSGFYNSPVLVDFASLYPSIIQAHNLCYSTMITPGEEHRLAGLRPGEDYESFRLTGGV
 YHFVKKHVHESFLASLLTSLWAKRKAIAKLLAACEDPRQRTILDKQQLAIKCTCNVYVGTGVANGLFPC
 LSAETVTLQGRMLERAKAFVEALSPANLQALAPSPDAWAPLNPEGQLRVIYGDTSDFIEICRGFSESE
 TLRFADALAAHTTRSLFVAPISLEAEKTFSCMLITKKRYVGVLDGKTLMKGVELVRKTACKFVQTRCR
 RVLDLVLADARVKEAASLLSHRPFQESFTQGLPVGFIPVILNQAQYTDLREGVPMGELCFSTELSRKL
 SAYKSTQMPHLAVYQKFVERNEELPQIHRIQYVVEPKGGVKGARKTEMAEDPAYAERHGVPVAVDHYF
 DKLLQGAANILQCLFDNNSGAALSVLQNF TARPPF

TRTRRLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NC_007605

ORF Size: 3045 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_401712](#)

RefSeq ORF: 3045 bp

Locus ID: 3783681

UniProt ID: [P03211](#)

MW: 113.4 kDa