

Product datasheet for **VC101084**

glycoprotein BALF4 (NC_009334) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	glycoprotein BALF4 (NC_009334) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	glycoprotein BALF4
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 VC101084 represents NCBI reference of YP_001129508 with codon optimized for human cell expression

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

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGACACGGCGCCGGGTGTTGTCTGTCGTAGTCTGCTTGCCGCTCTGGCCTGTCGCTCGGCGCCAGAC
CACCTGAACAACAGCACCACCGGCCACCACAGTCCAGCCACAGCCACCAGACAACAGACGTCCTTCCC
ATTCAGAGTGTGTGAACCTTCCAGTCACGGCGACCTGTTTAGGTTTAGCAGCGATATCCAGTGCCCTCT
TTCGGAACCAGGAAAACACACCGAGGGGCTCCTGATGGTGTAAAGGACAATATTATCCCATATAGCT
TCAAAGTTCGGTCATACACAAAGATTGTGACCAACATCCTGATCTACAATGGCTGGTATGCAGATCCGT
AACCAACAGACATGAGGAGAAAATCTCCGTGGATAGTTATGAGACCGACCAGATGGATACCATTTACCAG
TGCTACAACGCAGTTAAGATGACAAAGGATGGCCTTACCCGCGTGTACGTGGATCGAGACGGGTGAATA
TAACAGTAAATCTCAAACCAACTGGGGTCTGGCAAATGGCGTGAGGCGCTACGCCTCTCAGACTGAATT
GTACGATGCTCCCGCTGGCTTATCTGGACCTACAGAACCCGGACCACAGTAAACTGCTTGATTACTGAC
ATGATGGCGAAGAGTAACAGTCCATTTGACTTTTTGTAAAGACTACAGGCCAGACGGTGGAGATGTCTC
CTTTCTATGATGGTAAAAATAAGGAGACGTTTCATGAGCGCGCAGATTCATTTACGTCGGACCAACTA
TAAATAGTGGACTACGATAACAGGGGGACCAATCCCCAGGGGGAGCGACGCGCCTTTCTGGATAAAGGC
ACATATACTCTCTCATGGAACTGGAAAACCGACTGCATATTGCTCTGACGACTGGCAGACTTTTG
ATAGTACAATCGCACCGAAACGGGAAATCCATCCACTTTGTGACGGATGAAGGCACTTCTTCTTCGT
GACTAACACCACAGTCGGCATTGAGCTGCCGATGCATTCAAGTGTATCGAAGAGCAGGTGAACAAAACG
ATGCATGAGAAGTACGAAGCAGTCAGGACAGATACACCAAGGGCCAGGAGGCCATTACGTACTTCATCA
TTCCCGCGGTCTGCTCCTTGCCTGGCTGCCGCTCACTCCTCGAAGTCTGGCCACCGTCAAGAACCTCAC
TGAGCTGACAACCCACATCTTCCCCTCCGTCTTCTCCATCCCCACCGCCCTCCAGCGGCGAGAGGA
TCTACCAGCGCAGCCGTGCTGAGAAGACGAAGACGCGACGAGGCAACGCGACAACCTCTGTTCTCCCG
CCGACCCCGTAAATCTCTGGGAACCTGAACAACCCAGCTACTGTGCAAATTCAGTTCGCATATGATAG
TCTGAGAAGGCAGATCAATAGAATGCTGGGCGATCTCGCCCGAGCCTGGTCTGGAGCAGAAGCGGCAA
AATATGGTCTTGAGAGAGCTGACAAAGATCAACCCACAACCTGTTATGTCAAGCATTTACGGTAAGGCTG
TTGACGCTAAGCGACTCGGTGATGTGATTAGCGTGAGTCAGTGTGTGCCAGTCAATCAGGCAACTGTGAC
ACTTCGAAGTCAATGCGGGTCCCGGGAGTGAGACAATGTGTTATTCTCGGCCTCTGGTTTCATTCAGT
TTTATCAACGACACTAAGACCTATGAAGGGCAACTTGGAACAGACAATGAGATTTTCTGACCAAGAAGA
TGACTGAGGTGTGTCAGGCCACTAGCCAGTACTATTTCCAGAGCGGGAACGAAATTCACGTGTATAATGA
TTACCACCACTTTAAGACCATTGAACTGGACGGCATAGCCCACTCCAGACTTTTCATTTCCCTGAATACC
AGTCTGATAGAAAATATTGACTTTGCCAGCCTGGAAGTGTACAGCCGCGACGAGCAGAGAGCCTCCAATG
TGTTTGACCTGGAAGGGATTTTTCGAGAGTACAATTTCCAGGCACAGAACATAGCTGGGCTGAGAAAAGGA
CCTGGACAATGCTGTTAGCAATGGTCGGAATCAATTTGTGGACGGCCTGGGGAACTGATGGATAGTCTG
GGCAGCGTCGGTCAGAGCATAACCAACCTGGTGTCCACTGTTGGGGACTCTTTTCTCTCTCGTGAGTG
GCTTTATTTCAATTTTTAAGAACCATTTGGGGAAATGCTGATCCTGGTCTTGGTGGCAGGCGTCTGTGAT
CCTGGTAATCAGCCTCACCAGGAGAACTAGACAGATGTCCAGCAGCCGGTACAGATGTTGTATCCCGGC
ATCGACGAGTTGGCTCAACAGCAGCCAGCGGGGAAGGTCAGGAATCAATCCTATAAGCAAAAACCGAGC
TCCAGGCCATTATGCTGGCCCTGCACGAACAAAATCAAGAACAGAAAAGAGCGGCCAGCGCGACCGCG
GCCAAGCGTCGCCAGTAGAGCCCTCAGGCAGCTAGAGATCGGTTCCCGGACTCCGAAGACGCAGGTAT
CATGACCCGAAACAGCAGCCGCTTCTCGGTGAGGCCGAGACCGAATTT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >VC101084 representing YP_001129508
 Red=Cloning sites Green=Tags

MTRRRVLSVVVLLAALACRLGAQTPEQPAPPATTVQPTATRQQTSPFPRVCELSHGDLFRFSSDIQCPS
 FGTRENHTEGLLMVFKDNIIPYSFKVRSYTKIVTNILYNGWYADSVNRRHEEKFSVDSYETDQMDTIYQ
 CYNVAVKMTKDGLTRVYVDRDGVNITVNLKPTGGLANGVRRYASQTELYDAPGWL IWTYRTRTTVNCLITD
 MMAKSNSPFDFVTTTGGQTVEMSPFYDGKNKETFHERADSFHVRTNYKIVDYDNRGTNPQGERRAFLDKG
 TYTLSWKLENRTAYCPLQHWQTFDSTIATETGKSIHFVTDEGTSSFVTNTTVGIELPDAFKCIEEQVNKT
 MHEKYEAVQDRYTKGQEAITYFITSGLLLLAWLPLTPRSLATVKNLTELTPTSSPSSPSPAPPAAARG
 STSAAVLRRRRRDAGNATTPVPPAAPGKSLGTLNPNATVQIQFAYDSLRRQINRMLGDLARAWCLEQKRQ
 NMVRELTKINPTVMSSYKAVAAKRLGDVIVSVQCPVNQATVTLRKSMPVPGSETMCSRPLVSFS
 FINDTKTYEGQLGTDNEIFLTKKMTEVCQATSQYYFQSGNEIHVYNDYHHFKTIELDGIATLQTFISLNT
 SLIENIDFASLELYSRDEQRASNVFDLEGI FREYNFQAQNIAGLRKDLDNAVSNRQNFVDGLGELMDSL
 GSVGQSITNLVSTVGGFLSSLVSGFISFFKNPFGGMLILVLVAGVVILVISL TRRTRQMSQQPVQMLYPG
 IDELAQQHASGEGPGINPISKTELQAIMLALHEQNQEQKRAAQRAGPSVASRALQAARDRFPGLRRRRY
 HDPETAALLGEAETEF

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:



ACCN: NC_009334

ORF Size: 2571 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_009334.1](#), [YP_001129508](#)

RefSeq ORF: 2571 bp

Locus ID: 5176207

MW: 95.6 kDa