

Product datasheet for **VC101171**

BILF1 (NC_007605) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BILF1 (NC_007605) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	BILF1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC101171 represents NCBI reference of YP_401711 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTCTCAACCATGGCACCCGGCAGCACCGTCCGAAACCCTTGTGGCAAATGACCAGCGTTAATGCGA
CAGAAGACGCCTGTACAAAATCCTATTCTGCTTTCCTCTCCGGCATGACGCTTTTGTGCTCGTGCCTTCT
GATCCTGTTGACGCTCGCCGGGATACTCTCATCATCTTCGTCGCAAGCTCGTGCATAGGATGGACGTC
TGGCTCATTGCCCTGCTGATTGAGCTTCTCTTTGGGTCCTGGGAAAGATGATCCAGGATTCAGTAGCA
CTGGCCTCTGTCTTCTCACTCAGAATATGATGTTCCCTGGGCCTCATGTGTAGTGTGGACCCACTGGG
GATGGCGTTGGAGAAAATCTTGCACTGTTTTACGAAACCCTAAGAGGACCTCTCATAGGAATGTCTGC
CTGTAATGATGGGCGTCTTCTGCTCGTGTCTCCTCATAATCATACTCCTGATCACTATGGGTCCTCG
ACGCTAATCTCAATCGAGGTCCGAACATGTGCCGGGAGGACCTACAAAAGGCATGCATACCGCTGTGCA
AGGACTCAAGGCTGGCTGTTACCTGCTGGCAGCTGTGCTCATAGTGTGCTGACTGTTATCATAATTTGG
AAGCTTTGAGAACAAAATTTGGACGGAACCCAGACTGATCTGTAACGTACATTTACTGGGCTCATCT
GTGCTTTCAGTTGTTTATGCTGAGCCTCCGCTGCTGTTTCTTGCCGAGGCCGGTCCCTGGGCTTCGA
TTGCACGGAGAGCCTGGTGGCCAGTATTACCCGGGCCTGCCGCTTGCCTGGCTCTGCTCCTCATCATC
CTCTACGCTTGGTCATTCTCACATTTTCATGGACTCTGAAAAACAGGTCACAGTGACCGCCAGGTA
TCAGGCGAGTTCCTAGCCAATCCACC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >VC101171 representing YP_401711
Red=Cloning sites Green=Tags

MLSTMAPGSTVGTLVANMTSVNATEDACTKSYS AFLSGMTSLLL VLL ILL TLAGILF IIFVRKLVHRMDV
 WLIALL IELLL WVLGKMIQEFSS TGLCLL TQNMFLGLMCSVWTHLGMAL EKTALF SRTPKRTSHRNV
 LYLMGVFCLVLLLI IILLITMGP DANLNRGPNMCREGPTKGMHTAVQGLKAGCYLLAAVLIVLLTVIIIV
 KLLR TKFGRK PRLICNV TFTGLICAF SWFMLS LPLLFLGEAGSLGFDCTESL VARYYPGPAACLALLLII
 LYAWSFSHFMSLKNQVTVTARYFRRVPSQST

TRTRRLEQKLISEEDLAANDILDYKDDDDK

Chromatograms: https://cdn.origene.com/chromatograms/ja2337_d03.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NC_007605

ORF Size: 936 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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:	<ol style="list-style-type: none">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:	<u>NC_007605.1</u> , <u>YP_401711</u>
RefSeq ORF:	936 bp
Locus ID:	3783707
UniProt ID:	<u>P03211</u>
MW:	34.5 kDa