

Product datasheet for **VC100089**

DBP (AC_000019) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DBP (AC_000019) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	DBP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>The Viral ORF clone VC100089 represents NCBI reference of AP_000587 with codon optimized for human cell expression
 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCATCCCGGAGGGGAATCAGCTGAGTGACCGGCATCGCGAGCATACGCCCGAGAGAGGCAGGGGAA
 GTGCCAGTCACCCCCCTCACGCTCCGATCGGTCCCTTCCCAATCTCCACCGCCACTGCCTCCCAAGAA
 AAATACTGCAGGCGGGTGGGAAGTGGTCCAGTACCGATAGCCAGCTTGTATGGTTTCCGAGACGAGC
 CAAAGTTCTTTCTCCCGAGCGGAGTGACTCACACCTCCTCCAATCCCCCAAGAAGAAGCCAAGAA
 AGACCAAGCACATACCCATGCAGGACATCTCCAGGACTCCGAAGAAGAGAGGGAGGAGGACAAATTGGT
 GGCCGTAGGGTTTCATATCCACCCGTGAGAATTGTCGAAAAGGATGGGAAGAGGTCTATCGAGAAAATC
 GCTAAAGATGATCCCCTGGCTAAGGGCGCCGTGCATGCACTGTGAAGAACCCCATCAGCCTGCCTTTGG
 TTTCTGCATGGGAAAAGGCATGGAAGTAATGTGCTTGCATGGAGAAGTATCGGCTCGATAATGAGCT
 GGCACATGTTTTAAATTGATGCCCGAACAGCAGCAACAGTACAACGGATTTGCCATCAATACGTGAAC
 GAGGAGCACCGAGGAATCCAAGTACTTTCACATCTCACAAAGACCTGAGCACAATGATGGGGAGATTCC
 TGCAGGGCATGATCCATTCATTTAGCCAAATCGCCATCACAAGTGGAGTGTACAGGCTGCGCCTTGTG
 GCCCCACGGGTGCAACGACTATGAGGGGAAACTGAAGTGTCTTACGCGGAACATAATGATACAGAAGGAG
 CAAATTATCGAGATGGATGTTGCTTCTGAGAATGGACAGAGGGCTCTCAAAGAAAACCTGAACGAACAA
 AGATTACTCAGAATCGGTGGGCGAGGAGTGTGGTGCAGATCGCCAACAATGATGCCAGATGTTGTGTTAA
 CGACGCTGGATGCGCTGCTAATCAGTTCCTCAGTCGCTCTTGTGGCATGTTTTACACGGAAGGATCTAAA
 GCACAACAAGCCTTCAAGCAATACGATGCATTTATGCGCGCCGTATACCCCGGCATACGGCAGGACCAGG
 CCAAGATGATCCTGATTCCACTGCATTGCGACTGCAATCACAAACCAACTGGGTGCCCGCCATGGGCAG
 ACAGACGTGCAAAATGACACCATTTAGTATCGCTAACGCGGAAGACCTGGATGTGGGGATGATTGCAGAC
 CCCACCGTCTGGCTAGTGTGAGGCATCCATCCCTTATGGTATTCATGTTGTAACCCCGTATACAGAA
 ATAGTAGGGCACAGTCCACAGGGCCAAATTGTGATTTTAAAGATCTCCGCACCCGACCTGCTTGGCGCTCT
 CCAGCTCACACGAAAGCTTTGGTCTGATATCCTGCCCGATTTCTGTTCTTAAGCTGGTAAATCCCTGAA
 TTCAAATGGCAGCCTAAGTATCAATTCGGAACGTGTCCCTCCCAGCGGCCACAGGACTCTCGCCAGA
 ACCCCTTTGATTTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC100089 representing AP_000587
 Red=Cloning sites Green=Tags

MASREGNQLSDRHREHTPERGRGSASHPPSRSDRSPSQSPPLPPKKNTCRRVSGSSTDSQLVMVSETS
 QSSLSPERSDSPPPPIPPKKKPRKTKHIPMQDISQDSEEEEREAQLVAVGFYPPVRIVEKDGKRSIEKI
 AKDDPLAKGAAACTVKNPISLPLVSAWEKGMVCLLMEKYRLDNELRFCFKLMPEQHEQYKRICHQYVN
 EEHRGIQLTFTSHKTLSTMMGRFLQGMIIHSFSQIAHNNWECTGCALWPHGCNDYEGKLLKHLHGNIMIQKE
 QIIEMDVASENGQRALKENPERTKITQNRWGRSVVQIANNDARCCVNDAGCAANQFSSRSCGMFYTEGSK
 AQQAFKQYDAFMRVYPGIRQDQAKMIL IPLHDCNHNKPNWVPAMGRQTCKMTPFSIANAEDLDVGMIA
 DPTVLASVRHPSLMVFQCCNPVYRNSRAQSTGPNCDFKISAPDLLGALQLTRKLWSDILPDIPVPLVIPE
 FKWQPKYQFRNVSLPAGHSRSRQNPFDL

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: AC_000019

ORF Size: 1554 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: [AC_000019.1](#), [AP_000587](#)

RefSeq ORF: 1554 bp

MW: 58.3 kDa