

Product datasheet for **VC100017**

DBP (AC_000017) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DBP (AC_000017) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	DBP
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 VC100017 represents NCBI reference of AP_000514 with codon optimized for human cell expression

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

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGGCTTCCAGAGAGGAGGAGCAGCGAGAAACGACTCCAGAGAGGGGAAGGGGGCCGCCGACGACCCC
CCACCATGGAGGATGTGTCTTCCCTTCTCCTTACCGCCACCACCGAGAGCGCCACCCAAGAAAAGGCT
GCGGAGGAGACTGGAGAGTGAAGACGAGGAGGACAGCAGTCAGGACGCTCTTGTGCCAGGACTCCTTCA
CCCCGCCCCAGCACGTCAGCCGCCGATCTCGCCAACGCACCAAAGAAGAAGAAGAAACGGCCATCACCAA
AACCTGAACGGCCTCCAAGCCCGAAGTAATTGTTGACTCTGAGGAAGAACGGGAGGATGTGGCTCTCCA
AATGGTAGGCTTCAGCAATCCCCTGTATTGATCAAACACGGTAAGGGGGGCAAACGGACAGTGAGACGG
CTGAACGAGGATGACCCAGTCGACGAGGCATGAGAATGCAAGAAGAGGAAGAGGAGCCCTCTGAGGCTG
AATCCGAGTCAACAGTAATGAATCCTCTGTCCCTGCCGATCGTGTCTGCGTGGGAGAAGGAATGGAAGC
CGCCAGAGCTCTCATGGATAAGTACCACGTAGACAACGATCTCAAGGCTAATTTTAAAGCTCTGCCAGAC
CAGGTTGAAGCCCTGGCCGCCGTGTGCAAAACCTGGCTGAACGAAGAGCATAGAGGACTGCAGTTGACAT
TTACGAGCAACAAGACCTTCGTTACCATGATGGGAGATTCTCCAGGCTTACCTGCAGTCTTCGCGAGA
AGTGACATATAAGCATCACGAGCCTACTGGCTGTGCATTGTGGCTGCACAGGTGCCGAGAGATTGAGGGC
GAACCTAAATGCCTGCATGGTAGCATTATGATCAATAAAGAACACGTGATCGAGATGGACGTGACCAGTG
AGAACGGGCAACGCGCCCTGAAGGAGCAGTCTAGCAAGGCCAAGATCGTAAAAACAGGTGGGGCAGATC
CGTTGTACAGATTAGTAATACCGACGACGCTGTTGCGTGCACGACGCGCCCTGCCAGCAAACCAAGTTC
AGCGGCAAACTCTGTGGCATGTTCTTTCCGAAGGCGCCAAGGCCAAGTTGCCTTCAAGCAGATCCAGG
CATTTCATGAAAGCACTTTATCCAAATGCCAGACTGGACACGGTCACTTCTTATGCCCTGCGATGCGA
GTGCAATTCTAAGCCGGGACACGCCCATTTCTGGGGCGGACGCTGCCAAAACACTCCTTCGCCCTG
TCTAATGCCGAGGATCTTGACGCCGACCTGATCAGCGACAAGAGCGTGCTTGCCTCCGTGCATCATCCCG
CCCTGATCGTGTTCAGTGCTGTAACCCAGTGTATCGAAATAGCCGCGCCAGGGTGGCGGCCCTAACTG
TGACTTTAAGATTAGCGGCCAGACCTTGAACGCCCTTGGTCATGGTTAGATCATTGTGGTCCGAGAAC
TTTACAGAGCTTCCACGCATGGTTGTACCCGAGTTCAAATGGAGTACCAAGCACAATACAGGAATGTA
GCCTGCCCGTCTCACAGTGACGCCAGGCAGAACCCATTGCACTT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC100017 representing AP_000514

Red=Cloning sites Green=Tags

MASREEEQRETTPERGRGAARRPPTMEDVSSPSPSPPPPRAPPKRLRRRLESEDEEDSSQDALVPRTPS
PRPSTSAADLANAPKKKKRPSPKPERPPSPEVIVDSEEEEREDVALQMVGFSNPPVLIKHGKGGKRTVRR
LNEDDPVARGMRMQEEEEPSEAESESTMNPLSLPIVSAWEKGMEEAARALMDKYHVDNDLKANFKLLPD
QVEALAAVCKTWLNNEHRGLQLTFTSNKTFVTMMGRFLQAYLQSF AEVYKHHEPTGCALWLHRC AEIEG
ELKCLHGSIMINKEHVIEMDVTSENGQRALKEQSSKAKIVKNRWGRSVVQISNTDARCCVHDAACPANQF
SGKSCGMFFSEGAKAQVAFKQIQAFMKALYPNAQTGHGHLMLPLRCECNSKPGHAPFLGRQLPKLTPFAL
SNAEDLDADLISDKSVLASVHHPALIVFQCCNPVYRNSRAQGGGPNCDFKISGPDLLNALVMVRSLSWEN
FTELPRMVVPEFKWSTKHQYRNVSLPVAHSDARQNPFD

TRTRRLE**QKL**ISEEDLAANDILDYKDDDDK**V**

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: AC_000017

ORF Size: 1587 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_000017.1, AP_000514
RefSeq ORF: 1587 bp

MW: 59.1 kDa