

Product datasheet for **VC100235**

DBP (AC_000005) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DBP (AC_000005) 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 VC100235 represents NCBI reference of AP_000123 with codon optimized for human cell expression
 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCTTCTAACCAGCACAGTCAGCGAGAACGGACGCCCGACAGATCTGCGCAGCCACCCCCCAAGA
 TGGGCAGATACTTCCTTGACAGCGAATCCGAGGAGGAGTTGGAGGCCGTCCTCCCTCCAAAGAAGAA
 GGTCAAGAAGTCAATGGCAGCCATTCCACTTTCACCTGAGTCCGACAGGAGGAGGAAGCCGAGCCCCC
 AGAGCTGTCTGGGCGTCATGGGCTTCTCCATGCCTCCGGTCAGGATCATGCATCATGCTGATGGGAGTC
 AATCATTTCAGAAGATGGAGACGAGACAGGTGCATGTATTGAAAGCTTCCGCCAGAAGTCCAGACGAAAA
 CGAAAAGAACGTGGTTGTGGTGCAGAACCCAGCCAGCCAGCCCTGGTGAGCGCTGGGAGAAGGGGATG
 GAAGCTATGGCTATGCTGATGGAGAAATACACGTGGACCACGATGAAAGGGCCACCTTTAGATTTCTTC
 CAGATCAGGGATCCGTGTATAAGAAAATCTGCACCACATGGCTCAACGAAGAGAAGAGGGGGCTGCAACT
 CACCTTCTCATCCAGAAAACCTTTCAAGAGCTCATGGGCGGTTTCTGCAGGGTTACATGCAGGCCTAT
 GCAGGGGTACAACAGAATTCATGGGAGCCGACCGGCTGTTGCGTCTGGGAGCATAAGTGCACGGAGAGAG
 AAGGCGAACTGCGATGTCTCCACGGAATGGAGATGGTGAGAAAAGAACATTTGGTAGAAATGGATGTAC
 AAGCGAGTCAGGCCAAAGAGCGCTCAAGGAGAATCCCTCCAAAGCCAAAGTGGCCAGAATAGATGGGGC
 AGGAACGTGGTTCAGATCAAGAACGACGACGCAAGGTGCTGTTTCCACGACGTCGGATGCGGAAATAATT
 CCTTCAGTGGCAAGTCTGTGGGCTCTTCTACTCAGAAGGAATGAAGGCCAGATCGCATTACAGACAGAT
 CGAAGCATTATGCTCGCTGATTATCCCATATGCGGCACGGCCAGAAGCGGCTGCTCATGCCGTCGCA
 TGCGAATGCTTGAATAAGCAAGACGGTTGCCAAGGATGGGACGGCAGCTGTGCAAAATTAATCCCTTTA
 ACTTGTCAAACGTGGATAATATCGATATCAACGAGGTCACCGATCCAGGTGCTCTTGCCTCAATTAATA
 CCCATGTCTGCTGGTCTTTCAGTGCAGAAACCCAGTTTACCAGGAATGCTAGAGGCAATGCTGGCCAAAC
 TGTGATTTCAAGATCTCAGCACCAGATGTAAATGGGCGCACTTCAGCTGGTCCGCCAGCTGTGGGAGAGA
 ATTTCCAGCGGTCCCTCCACGGCTTGTATTCCGGAGTTTAAAGTGGCACCAGAGACTCCAGTACAGAAA
 TATCAGCTCCCAACAAATCATGGTGACTGCAGGGAAGAACCCTCGACTTT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC100235 representing AP_000123
 Red=Cloning sites Green=Tags

MASNQHSQRERTPDRSAQPPPKMGRYFLDSESEEELEAVPLPPKKKVKKSMAA.IPLSPESAEEEEAEPP
 RAVLGVMGFSMPVVRIMHHADGSQSFQKMETRQVHVLKASQNSDENENKVVVVRNPASQPLVSAWEKGM
 EAMAMLMEKYHVDHDERATFRFLPDQGSVYKICTTWLNEEKRGLQLTFSSQKTFQELMGRFLQGYMQAY
 AGVQQNSWEPTGCCVWEHKCTEREGELRCLHGMEMVRKEHLVEMDVTSESGQRALKENPSKAKVAQNRWG
 RNVVQIKNDDARCCFHDVGCNNSFSKSCGLFYSEGKMAQIAFRQIEAFMLADYPHMRHGQKRLMPVR
 CECLNKQDGLPRMGRQLCKITPFNL SNVDNIDINEVTPGALASIKYPCLLVFQCANPVYRNARGNAGPN
 CDFKISAPDVMGALQLVRQLWGENFDGSPRLVIFEKWHQRLQYRNISLPTNHGDCCREEPFD

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: AC_000005

ORF Size: 1452 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_000005.1](#), [AP_000123](#)
RefSeq ORF: 1452 bp

MW: 55.0 kDa