

Product datasheet for **VC100003**

E1B 55K (AC_000017) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	E1B 55K (AC_000017) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	E1B 55K
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 VC100003 represents NCBI reference of AP_000500 with codon optimized for human cell expression
 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAGAGACGCAATCCAAGCGAGCGGGCGTACCCGCTGGGTTACGCGGCATGCTTTTGTAGAGAGCG
 GTGGAGAACTCAGGAGTCCCAACACAGTGGTGTTCAGACCACCCGGCAATAACACGGACGGAGGCGC
 AGCCGACGCTACAGCTGCTGCCGGGGTTCCCAAGCTGCGGCAGCTGCAGGAGCTGAGCCTATGGAACCT
 GAGTCACGACCCGGACCGAGTGGCATGAACGTGGTGCAGGTGGCAGAGCTTTTCCAGAGCTGAGGAGGA
 TCTTGACAATTAACGAGGATGGCCAAGGACTGAAAGGAGTGAAACGAGAGCGCGGTGCCTTTGAAGCAAC
 AGAGGAAGTGCACAACCTTACATTCAGTCTGATGACCCGCCATCGGCCGGAGTGTGTACCTTCCAGCAG
 ATCAAGGACAATTGTCCAACGAACTTGACCTGCTGGCACAGAAATACTCTATAGAACAGCTTACAACCT
 ACTGGCTGCAGCCGGAGATGACTTCGAGGAGGCTATTCGCGTTTATGCCAAAGTGGCTCTGAGACCAGA
 CTGTAAGTACAAGATCTCCAAGCTGGTAAATATACGCAACTGTTGCTATATTTCTGGGAACGGTGCAGAA
 GTTGAGATCGATACGGAAGACAGGGTGGCATTAGATGCTCTATGATAAAATATGTGGCCCGGTGCTCTGG
 GTATGGACGGCGTGGTATCATGAATGTACGGTTTACCGGCCTAATTTTTTACGGAACCGTGTCTCTGGC
 TAATACCAATCTGATTCTCCATGGAGTCTCTTTTACGGCTTAAACAATACCTGTGTGGAGGCGTGGACC
 GATGTCGCGTTAGGGGTTGTGCCTTTTACTGCTGTTGAAAGGCGTCGTATGCCGGCCCAAGAGTCGCG
 CTAGCATTAAAAATGTCTTTTGTAGCGATGTACACTGGGAATATTGTCTGAGGGTAATCCAGGGTTCG
 ACACAACGTAGCCTCTGACTGCGGGTGTTTTATGCTTGTAAAGAGTGTGGCCGTGATCAAGCACAATATG
 GTATGTGGCAACTGTGAAGATAGAGCGTCCCAATGTTGACGTGTTGAGTGGTAACTGCCATTTGCTTA
 AGACATTACATGTCGCCTCACATAGTCGGAAGGCATGGCCTGTCTTTGAGCACAACATCCTTACCGGTG
 TCACTGCACCTGGGAATAGACGGGAGTGTCTTCCGTACCAATGCAACCTGTCTCACACCAAATA
 CTGTTGGAGCCAGAGTCCATGTCAAAGTCAATCTCAACGGTGTGTTGATATGACCATGAAGATCTGGA
 AGGTTCTCAGATATGATGAGACTCGACACGATGCCGCCCTTGTGAGTGCGGCGGTAACACATTAGAAA
 CCAGCCAGTGATGCTGGACGTTACTGAGGAACTGCGCCAGACCCTGGTCTGGCATGTACGAGGGCC
 GAATTCGGATCTTCTGATGAGGACCCGAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC100003 representing AP_000500
 Red=Cloning sites Green=Tags

MERRNPSERGVPAFGSHAFVESGGETQESPTTVVFRPPGNNTDGGAAAATAAAGGSQAAAAAGAEPMEP
 ESRPGPSGMNVVQVAELFPELRRILTINEDGQGLKGVKREGAFAEATEEVRNLTFSLMTRHRPECVTFQQ
 IKDNCANELDLLAQKYSIEQLTTYWLQPGDDFEEAIRVYAKVALRPDCKYKISKLVNIRNCCYISNGAE
 VEIDTEDRVAFRCSMINMWPVGLGMDGVVIMNVRFTGPNFSGTVFLANTNLILHGVSFYGFNNTCWEAWT
 DVRVRGCAFYCCWKGVVCRPKSRASIKKCLFERCTLGILSEGNSRVRHNVASDCGCFMLVKSVAVIKHM
 VCGNCEDRASQMLTCSNGNCHLLKTIHVASHSRKAWPVFEHNILTRCSLHLGNRRGVFLPYQCNLSHTKI
 LLEPESMSKVNLNGVFDMTMKIWKVLRVDETRTRCRPCECGGKHIRNQPVMLDVTEELRPDHLVLACTRA
 EFGSDEDTD

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_000017

ORF Size: 1500 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_000500](#)
RefSeq ORF: 1500 bp

MW: 55.4 kDa