

Product datasheet for **VC100075**

E1B 55K (AC_000019) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	E1B 55K (AC_000019) 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 VC100075 represents NCBI reference of AP_000573 with codon optimized for human cell expression
 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGATCCAGCCGACTCCTTCCAGCAGGAATCCGCTTCGGTTTCCACTCCCACAGCATTGTGGAGAATA
 TGGAAAGCAGTCAAGATGAAGACAATCTGCGCCTGCTCGCTTCAGCCGCATTTGGATGCAGCGGGAACCC
 AGAAGCATCCACGGGCCATGCCAGTGAAGTGGTGGTGAACCGCCAGGGGGCAGCCTGAAAGTCGCCCC
 GGTCCATCTTCCGGTGGGGCGGGTGGCAGACCTTTCACCCGAACCTCAAAGAGTGCTCACCGGCAGCA
 CAAGTACCGGTCCGGATCGGGTGTAAACGCGAGCGCGTAGCTCTGGTACGGATGCGCGGAGCGAGCT
 CGCTTTGTCTCTATGAGCCGGAGAAGGCCGAAACCATCTGGTGGCACGAAGTCCAAAAGGAGGGCCGG
 GATGAGGTATCTGTGCTGCAGGAGAAATATAGCCTCGAGCAGGTTAAAACGTGCTGGCTGGAGCCAGAAG
 ACGATTGGCCGTGGCGATTAATAATTATGCCAAGATAGCCCTCGGGCCCGATAAGCAGTACAAAATAAG
 CAGGAGGATTAACATCCGGAATGCCTGTTATATCTCTGGGAACGGTGCAGAGGTCGTCATCGACACACAG
 GATAAAACTGTGATCAGATGTTGCATGATGGATATGTGGCCAGGCGTCGTTGGGATGGAGGCCGTGACAT
 TCGTCAACGTCAAGTTTCGGGGTACCGGTACAATGGCATCGTGTTCATGGCAAATACAAAATTTATCCT
 CCACGGATGCAGTTTTTTCGGCTTCAACAATACCTGCGTCGACGCTGGGGTCAAGTGTCCGTGAGGGGT
 TGTTCTTTTTATGCTTGTGGATTGCCACTGCCGACGCACTAAGTCACAGCTGAGCTTGAAAAATGTA
 TATCCAACGGTGCAATCTCGGTATTCTGAATGAAGGAGAAGCCAGAGTGAGGCACTGTGCCTCAACCGA
 TACCGGATGTTTTATTTGATCAAGGGCAACGCTTCCGTGAAGCACAACATGATCTGTGGTGCCAGTGAT
 GAGAGCCCTATCAAATGCTTACCTGCGGGTGGTCACTGCAACATGCTTCCACCGTGCATATCGTAT
 CACACCAGCGCAAGAAGTGCCAGTATTGACCAACAATGTTCTCACGAAATGTACGATGCACGCTGGAGG
 GAGGCGAGGGATGTTTATGCCTTACCAGTGCAATATGAACCACGTGAAAGTCTCCTTGAGCCAGATGCC
 TTCAGCAGAATGTCTGACAGGAATATTCGACATGAACACTCAGATCTGGAAAATCCTGAGGTACGACG
 ATACCAGATCAAGAGTGCGGCCTGTGAATGTGGTGGGAAGCACGCGAGGTTTCAGCCCTCTGCGTAGA
 TGTAACCGAAGATCTGAGACCCGATCACCTGGTATCGCGAGGACAGGGGCTGAATTCGGCAGCAGCGGT
 GAAGAGACTGAT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC100075 representing AP_000573
 Red=Cloning sites Green=Tags

MDPADSFQQGIRFGFHSIIVENMEGSQDEDNLRLLASAAFGCSGNPEASTGHASGSGGGTARGQPESRP
 GPSSGGGVADLSPELQRVLTGSTSTGRDRGVKREASSGTDARSELALSLMSRRRPETIWWHEVQKEGR
 DEVSVLQEKYSLEQVKTCWLEPEDDWAVAIKNYAKIALRPDKQYKISRRINIRNACYISGNGAEVVIDTQ
 DKTVIRCCMMDMWPGVGVMEAVTFVNVKFRGDYNGIVFMANTKLIHGCSSFFGNNTCVDWAGQVSVRG
 CSFYACWIATAGRTKSQLSLKKCIFQRCNLGILNEGEARVRHCASDTGCFILIKGNASVKHNMICGASD
 ERPYQMLTCAAGHCNMLATVHIVSHQRKKWPVFDHNVLTCTMHAGGRRGMFMPYQCNMNHVKVLLPEPA
 FSRMSLTGIFDMNTQIWKILRYDDTRSRVRACECGGKHARFQPVCDVTEDLRPDHLVIARTGAEFGSSG
 EETD

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_000019

ORF Size: 1482 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_000573](#)
RefSeq ORF: 1482 bp

MW: 54.6 kDa