

Product datasheet for **VC100249**

E4 34K (AC_000005) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	E4 34K (AC_000005) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	E4 34K
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC100249 represents NCBI reference of AP_000137 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCAACGGGACAGGAGGTACAGGTACCGACTGGCCCTTACAACAAGTATCAGCTCCCTCCTTGTAAG
AGCAGTCAAAGCCACTCTGTCTACCTCCGAGAACAGCCTGTGGCCAGAGTGCAACTCACTCACTTTGCA
TAACGTGTCTGAAGTGAGGGGATTCCAAGCTGCGTAGGCTTTACTGTACTCCAGGAATGGCCAATTCCA
TGGGACATGATCCTCACTGACTATGAAATGTTTATTCTGAAAAAGTATATGTCGGTTTGTATGTGCTGTG
CCACAATCAACGTGGAAGTCACACAGCTGCTGCACGGCCACGAAAGATGGCTTATCACTGTCATTGTCA
CGGCCTGGATCATTGCAATGTATGAGCGCTGGAATGCTCCTCGACGGTGGTTAAGATGGCAGTGTAC
GGCGCACTGATCAACAAGCGCTGCTTTTGGTACCGCGAGGTGGTTAATCACCTTATGCCAAAAGAGGTTA
TGTACGTTGGATCCACATTCGTGAGAGGCAGGCATCTCATATATTTTAAAATCATGTACGACGGGCACGC
TTGGCTCGCTCTGAAAAAGTGAGCTTTGGTTGGAGTGCCTTTAATTACGGAATACTCAACAACATGTTG
GTCCTTTGTTGTGACTATTGTAAGGACCTTAGTAAAATACGAATGCGCTGTTGCGCTCGGCACACTAGGC
TGCTTATGCTGAAGGTGGTGCAGGTTATTGCGGAAAATACCGTCCGCCCGCTGAAACACTCTCGGCACGA
GAGATACCGACAGCAGCTGCTTAAGGGCTGATAATGCACCACAGGGCCATCCTGTTTGAGACTATAAC
CAGAGAGAAAATCCGTGGGCAGCAGACGGACAT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >VC100249 representing AP_000137
 Red=Cloning sites Green=Tags

MQRDRRYRYRLAPYNKYQLPPCEEQSKATLSTENSLWPECNSLTLHNVSEVRGIPSCVGFVTLQEWPPI
 WDMILTDYEMFILKKYMSVCMCCATINVEVTQLLHGHERWLIHCHCQRPGLQCMSAGMLLGRWFKMAVY
 GALINKRCFWYREVVNHLMPKEVMYVGSTFVRGRHLIYFKIMYDGHAWLALEKVSFGWSAFNYGILNML
 VLCCDYCKDLSEIRMCCARRTRLLMLKVVQVIAENTVRPLKHSRHERYRQQLKGLIMHHRAILFGDYN
 QRENPWAAADGH

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: AC_000005

ORF Size: 873 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_000137
RefSeq ORF: 873 bp
MW: 34.4 kDa