

Product datasheet for **VC102003**

E1 (NC_001595) Virus Tagged ORF Clone

Product data:

| | |
|---------------------------|---------------------------------------|
| Product Type: | Expression Plasmids |
| Product Name: | E1 (NC_001595) Virus Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | E1 |
| 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 VC102003 represents NCBI reference of NP_041856 with codon optimized for human cell expression

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

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCAGACGATAGCGGTACCGAGGACGTTGGTAGTGGATGTTCTGGCTGGTTTTGGTCGAGGCGGTCG
TTGATAAGCAAACCTGGAGACGTGGTTAGCGAGGATGAGGATGAAGACGCTATCGAGGACTCCGGGTACGA
CATGGTCGACTTTAATAATGACACCGTGGTGTCTGAACATGAGGAGCTGAGTAACGCTCAGGCTCTCCTG
CACGCACAGCAAACCTGTGCTGACGCCGTGGAGCTGTGCGAGCTCAAGAGAAAATACATTCTCCTTACG
TATCCCGATTCAATGTAGCGAGCCAGTGTGATGGGGACCTTCTCCCGCTTGCATGCTATTAACCT
GGGCGGGGGAAGAAAGCAAACGAAGACTCTTGTAGCGGCTTGAGCAGAGAGACTCTGGGTATGGGTAT
TCTCAGGTGAAACCACTGAGACACAAGTAGAGGAGGAGCATGGTGAGCCCGAGGGGATCGAGGGGGAA
GTGGCAGGGCCGCAACCGTGGAGACCGAGGCTGTGAGGTAAGTGAAGAGAGCAGCGACGTTATTCAGCA
ACTCTCCCAAGAACCCAGGTGGTCAATTGTTTAAAGTGAAGGATCTTAACGCCAAGCTTGTGGCAAG
TTCAAAGAGCTGTTCCGGGTCGGCTTTCATGATCTGGTCAGGCAGTTTAAAGTCAGACAAATCAACATGTA
CTGATTGGGTCTACGCCGCTTTTGGGTGAACCAACTATAGCAGAGGGCTTTCATACACTCCTTAAGGG
ACAGGCATTGTATCTGCATACCCAGTGGACAACCTGCAGGTGGGGCATGGTCCTGCTGGCTCTGCAGA
TACAAGGTAGCCAAAACCGGAGACTGTGGTACGGCAGCTGGCTAAGATGCTTAATGTTCTGATAATC
AACTGATGGTGCAGCCTCCTAAGTTGCAGTCTAGTGTGCAGCCTGTTTTGGTTCAGATCCGGAATGGG
GCAGAGGCTCAGTTCAGCTTACTCAAATGGTGAATGGGCGTACGACAATGGACATACTGATGAGTGCG
AGATCGCTTATTACTACGCCAGATTGCCGATATCGATGCCAACGCAGCAGCCTTCTCAAAGTAACAA
CCAGGCCAAATATGTGCGCGATTGCGCAGCAATGTGCAAACATTACAGGCTCGCTGAAATGCGACGGATG
TCTATGGCAGATTGGATAAAACACAGAGGCGAGAAATGCGATGAAGGAGATTGGAAACCCATCGTAAAT
TGCTCCGGTATCAACATATCGATATCATTGTGTTTCTGGCCGCCCTGAAAAAGTGGCTCCACGGCATTCC
CAAGAAGAACTGTATCTGCATTGGGTCCCCAGACACAGGTAAGTGTGTTCCGGTATGTCCTTGATG
CATTTCTGCAAGGTACAATAATCTCATTGTGAACTCCTGTTCCCATTTTTGGTTCAGAGCTTGGTTG
ACGAAAAGTTGCTATGCTTGACGACGTCACCTCCGCTTGTGGGCTACATGGACTCACATGCGAAA
CCTCCTGGATGGCAATCCAACATCTATCGATCGGAAACACAAGTCCCTGGCCGTCATCAAGTGTCCCCA
CTTTGCTCACCTCAAACATTAATATTAACACGATTGTAATATCAGTACCTTCAATCAAGAGTACCG
TTTTGAATTCCCGAATCCCTTCCCTTCGATTCTAATGGCAATGCCGTGTACGAGCTCAGTGATGCCAA
TTGGAATTCCTTCTCAAAGACTGGCCTCATCTCGAATTGCAGACCACTGAAGATGAAGACGGCGAG
ACATCCAGGCGCCAGATTTGTACCAGGGACGGTAGTCCGAACCTT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >VC102003 representing NP_041856
Red=Cloning sites Green=Tags

MADDSGTEDVSGSGWFLVEAVDKQTGDVVSDEDEDAIEDSGYDMVDFINDTVVSEHEELSNAQALL
 HAQQTCAVELCELKRYISPYVSPICQSEPSVDGDLSPRLHAIKLGKKAKRRLFERLEQRDSGYGY
 SQVETTETQVEEEHGEPEGIEGSGRAATVETEAVEVLEESSDVIQQLSPRTQVVELFKCKDLNAKLCGK
 FKELFGVGFHDLVRQFKSDKSTCTDWVYAVFGVNPTIAEGFHTLLKGQALYLHTQWTTCRWGMVLLALCR
 YKVAKNRETVVRQLAKMLNVPDNLVMPKPKLQSSAAALFWFRSGMNGSEVSGTPEWIAKQTMLEHSF
 AEAQFSLTQMVMWAYDNGHTDECEIAYYYAQIADIDANAAFLKSNQAKYVRDCAAMCKHYRLAEMRRM
 SMADWIKHRGEKDEGDWKPVIVKLLRYQHIDIIIVFLAALKKWLHGIPKKNKICIVGPPDTGKSCFGMSLM
 HFLQGTIISFVNSCSHFWLQSLVDAKVAMLDVTSACWAYMDTHMRNLLDGNPTSIDRKHKSLAVIKCPP
 LLLTSNINIKHDKYQYLSRVTVFEFPNPFDFDSNGNAVYELSDANWNSFFKRLASSLELQTTEDEGE
 TSQAPRFVPGTVVRTL

TRRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NC_001595

ORF Size: 1938 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: [NC_001595.1](#), [NP_041856](#)

RefSeq ORF: 1938 bp

Locus ID: 1489470

MW: 72.5 kDa