

Product datasheet for **VC101915**

E1 (NC_001586) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	E1 (NC_001586) 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 VC101915 represents NCBI reference of NP_041803 with codon optimized for human cell expression

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

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCTGACGATACCGGAACTGAAGAAGGCCTCGGATGTTCCGGCTGTTCTCAGTTGAAGCGATCGTAG
AAAGAACCACGGAGAATACCATTTCGACGACGAAGACGAGAATGTGGAGGACTCCGGATTGGACCTGGT
GGACTTCGTGGACGACTCTCGCATCATACCTACCAACCAGCTTAAGGCACAGGCTCTCCTCAATAGGCAA
CAGGCGCATGCCGATAAGGAGGCCGTGCAAGCGCTGAAAAGAAAGCTGTTGGGATCTCCTACGAGTCTC
CCGCGAGCGACCTCCAAGAAAGCATAAACAAAGAACTCTCTCCTAGACTCGGGGGCTTGCATTGTGTCC
CGGCTCTCAGGGCGCTAAACGGCGGCTGTTCCAGAGCCTGGAGAATAGAGACAGTGGGTATGGGTACTCC
GAAGTCGAGATTCGGCAGGAACAGGTTGAGAATGGACACGGAGCCCCAGACGGCAGCATGGGCAATGGCG
GGGGATGGGATCTGTTTCATGGCGTCCAGGAGAATCAGGAAATCGGCACCAATACGCCAACCCCGGGT
GGTGAAGTCTGAAGTGAAGAATCTGCAGGCCACCCTGCTCGGAAATTTAAAGAGCTGTTCCGGCCTC
TCCTTTGGAGACCTTGTAAAGACAGTTCAAAGTGATAAATCCTCCTGCACAGACTGGGTCGTCGCCGCTT
TTGGGGTCCACCATTCAATCGCTGAAGTTTTAATACCCTCATTAAAGGCAGAAGCCCTTTACACACATAT
ACAGTGGCTGACCTGTACTTGGGGAATGGTGTCTGCTGATGCTCATAAGGTTCAAGTGTGGAAAGAACAGA
ACCACAGTGTCAAAGGGATGTGTAAGTGTCTCAACATCCCAGCTAATCAGCTCCTGATTGAACCGCGGA
GGCTTCAGTCAGTCGCGGCTGCAATCTATTGGTCCGAGCAGGAATCTCAAACGCTAGCGTCGCTACTGG
TGAAACCCAGAAATGGATCCAACGACAAACCATCGTAGAACATTGTTTCGCCGACACCCAATTTAACCTG
ACAGAGATGGTGCAGTGGGCATACGACAACGATCTCACAGAGGATTCAGATATCGCCTATGAGTATGCC
AGCGGGCTGACACCGACAGTAATGCTGCCGCTTTCCTGAAATCAAATTGCCAGGCCAAGTATGTCAAAGA
TTGTGGCATTATGTGCCGCACTATAAAAAGGCTCAAATGAAAAGAATGTCAATGCCACAGTGGATCAAA
CACCGCTCCGAGAGAAGTGGCGACAACGGGACTGGCGCCAATCGTGAATTCATTGCGTACCAGGGCA
TTGATTTTCTGACCTTTATGTCCGCTTCAAGAAATTCCTCCACAATATCCCAAAGAAATCTTGTGGT
GCTGATTGGGCTCCCAACACCGGTAATCTCAGTTCGGCATGAGCCTTGTGAAGTTTCTCGCCGGCACA
GTTATCAGCTTCGTGAAGTCCACTCTCATTTTTGGCTGCAGCCTTGTACTCCGCGAAAATAGCCATGC
TGGACGATGCAACTCCCCTTGTGGACCTATTTGGACACCTATCTCAGGAACCTGCTTGTGAAACCC
TTGCAGCATCGATCGGAAACACAAGCATTGACGGTAGTGAAGTGCCTCCATTGATTATTACAAGCAAC
ACCGATATCAGAACAGAAGACAGGTGGAAGTACCTGTATTCAAGGATCTCACTCTTGAATTTCCCAATC
CCTTTCCATTGGATAAAAACGGCAATCCAGTGTACGTGCTTAACGATGAGAATTGAAAAGTTTCTTCCA
GCGGTTGTGGAGCTCCCTTGAATTTCAAGAAAGTGAAGTGAAGGAGGAGAACGGCGACACGGGGCAAACC
TTCAGATGTGTCCCCGGCACCGTGGTGAAGACAGTA

ACGCGTACGCGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >VC101915 representing NP_041803
Red=Cloning sites Green=Tags

MADDTGTEEGLGCSGWFSVEAIVERTTENTISDDEENVEDSGLDLVDFVDSRIIPTNQLKAQALLNRQ
 QAHADKEAVQALKRKLLGSPYESPASDLQESINKELSPRLGGLQLCRGSQGAQRRLFQSLNDRDSGYGYS
 EVEIRQEQVENHGAPDGSMDGNGGGMGSVHGVQENQEI GTNTPTRRVVELLKCKNLQATLLGKFELFGL
 SFGDLVRQFKSDKSSCTDWVVAAFGVHHSIAEGFNLIKAEALYTHIQWLTCTWGMVLLMLIRFKCGKNR
 TTVSKGMCKLLNIPANQLLIEPPRLQSVAAAIYWFRAGISNASVVTGETPEWIQRQTIVEHCFADTQFNL
 TEMVQWAYDNDLTEDSDIAYEYAQRADTDSNAAAFKSNCAKYVKDCGIMCRHYKKAQMKRMSMPQWIK
 HRSERTGDNGDWRPIVKFIRYQGIDFLTFMSAFKFLHNIPKKSCLVLIGPPNTGKSQFGMSLVKFLAGT
 VISFVNSHSHFWLQPLDSAKIAMLDDATPPCWYLDTYLRNLLDGNPCSIDRKHKALT VVKCPPLIITSN
 TDIRTEDRWKYL YSRISLFEFPNPFPLDKNGNPVYVLNDENWKSFFQRLWSSLEFQESEDEEENGDTGQT
 FRCVPGTVVRTV

TRRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NC_001586

ORF Size: 1926 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_001586.1](#), [NP_041803](#)

RefSeq ORF: 1926 bp

Locus ID: 1489422

MW: 72.3 kDa