

Product datasheet for **VC101777**

E1 (NC_012485) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	E1 (NC_012485) 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 VC101777 represents NCBI reference of YP_002756540 with codon optimized for human cell expression
 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCGACAAGGGGATCAACAGCCCAACTCTCTGGAAGGATTCTCGGATGGTACGTAGTGAAGAAG
 CTGAGTGCAGGACAAGCTGACTGATCTTGAGAAGTTGTTGATGAGAGCGATTGCTCCAATATTTCCAA
 CTTGATTGACGATGGTGTGTGACCGACCAAGGCAATAGTCTGGCCCTGTTCAATCAGCAATTGCTGGAA
 GATTGTGACAGCAGCTGGTGGAGTTGAAGAGGAAGTACTTTAGCCAGCAAAGGAACTGATGTGGACC
 TTTCTCCTCAGTTGCAGTGCAGTGTGCTGCTAGTAGCAAGAACATTAACGCGCGGCTGTTTGTGTA
 TTCAGGCCTCGGGAATGAAGCAGAGGACAGTAACGAGTCAACCCAGGTGGCCGAAAGCGATTCCAATGGC
 GACAAAGCTCGGAGCAAAGTCAATCTACCGCGATACCGATCTCAATGCTAATGGAGGCATCGTCCAGG
 AGCTGCTTAAATCCCGAAACGCCACCATAACTTTTCTGGGCAAAATTAAGGAGACATTCGGCCTCTCTTA
 CAAGGACCTGACTAGACCTTCAAAAGCCACAAAACGTGTTGTCACAGCTGGGTGGCCAGTATCATCGGA
 GTGCAAGATGATGTTTACGAGGCCAGTAAGACCCTGCTGCAGACACATTGCGACTTCTTTAGGTGATTA
 ACTATAGTCTGGCAAGCTACGTTTTCTGTTCTACCTCTTTGAGTTCAAAAATAGTAAAAATCGCGAGAC
 ACTCCTGAAGCTCTGTGTGATCTGTGCGTGAAGGATATACAAATCATGGCTGACCCGCCTAAACAC
 AAGAATATGGTGGTAGCTCTGTATTTTTATAAGCAGGCACTGCTCTACCTGTTACAAGTACGGCGATT
 TCCCAAATGGTGTGCTGAAGCAGACGGTGGTCCAGCACCAAAACGAGGCGGAAACTTTTATCCTCGCAA
 GATGGTTCAGTACGCCTACGACAGCAGCTGGTGGAGACTCAGAGATCGCCTACCAGTATGCTCTGCTC
 GCCGAGATGACCCCAACGCGCTGCTGGTGAACCTAATAATCAGGCTAAACACGTTGAAAGATTGTG
 CCACAATGGTCCGACATTACAAAAAATACGAAAATGAGAAAAATGTCCATGTCAGAGTGGATCTTTTATTG
 TTGCGATAAGGTGAAAGAAGAATCAGACTGAAAAGTATCGCTAGGTTCCGAAAGTACCAAACGGTTAAC
 TTTGTGAGCTTCTGACAGCACTCCGCGACATGTTCAAGGGCATTCCGAAAAACAGTGTATAGTTATCA
 CCGGACCTCCCAATACCGGCAAATCTTATTTCTGTGTGAGCCTTGTACGTTTCTGAGGGCAGAGTGGT
 TTCTTTTATGAACATAAGTCTCACTTTTGGCTTACGCCCTGGCCGAAAGGTTGGGATTTCTGGAT
 GATGCGACCCATGCATGTTGGCAGTTCATTGACATACATGAGAAACGGATTTGATGGGAATCCCGTTT
 GCCTTGATAGCAAACATAAGAATCCTACACAGATGCGACTTCCGGCTCTGTTTAACTACGAATGTAGA
 GGTCGACAAGGAAGACCAGTACTATTATTTGAAGTCAAGGCTCCAGGTTTCAACTCCCTAATGTGATG
 CCCTGGACGATCTGGAAACCCTGTGTATGAAATTAAGTATGAGAGTTGGAAATCTTTCTCAGGCGCT
 TGGAAAAGCAGTTGGATATTTGCAGACCGACTGAAAGCAACGATGGCGACCCCGACAGGGCCTTCAGATG
 TTTTAGGGGTGAGTCAGCCTCTACTATC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC101777 representing YP_002756540
 Red=Cloning sites Green=Tags

MADKGINSPNSLEGFSGWYVVEEAECEDKLTDLKLFDESDCSNISNLIDGVDVTDQGNLALFNQQLLE
 DCDQQLVELKRKYFSPAKETDIDLSPQLQCVSLSSASKNIKRRLFVDSGLGNEAEDSNESTQVAESDSNG
 DKAAEQSQSTGDTDLNANGGIVQELLKSRNATITFLGKFKETFGLSYKDLTRPFKSHKTCCHSWVASIIG
 VQDDVYEASKTLLQTHCDFQVINYSLASVYVFLYLFEFKNSKNRETLKLLCQILCVKDIQIMADPPKH
 KNMVVVALYFYKQALSSSTCYKYGFNPWLLKQTVVQHNEAETFILAKMVQYAYDHDLDVDDSEIAYQYALL
 ADDDPNAAAWLNSNNQAKHVKDCAATMVRHYKKEYEMRKMSSEWIFYCCDKVKEESDWKVIARFLKYQTVN
 FVSFLTALRDMFKGIPKKQIVITGPPNTGKSYFCVSLVTFLRGRVVSFNMHKSHFWLQPLAEGKVGFLD
 DATHACWQFIDIHMRNGFDGNPVLDSKHKNPTQMLPALFITTNVEVDKEDQYYLKSRLQVFNFPNVM
 PLDDLGNPVYEITDSSWNSFFRRLKQLDICRPTESNDGDPDRAFRFRGESASTI

TRTRRLE**QKLISEEDLAANDILDYKDDDDKV**

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NC_012485

ORF Size: 1848 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_012485.1](#), [YP_002756540](#)

RefSeq ORF: 1848 bp

Locus ID: 7701329

MW: 70.4 kDa