

Product datasheet for **VC101834**

E1 (NC_001576) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	E1 (NC_001576) 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 VC101834 represents NCBI reference of NP_041743 with codon optimized for human cell expression

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

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGACGATAATACCGGGACCGAAGGCGGAGCCTGTTTCAGAGTCAGAAAGGGCAGGAGGCTGGTTTATCG
TGGAGGCTATTGTGGATAGAAGGACTGGCGATCCCATCAGTTCTGATGACGACGAGGAGGAGGACGAGGC
TGGAGAGGACTTCGTGGACTTCATCGATGACACCAGGTCCTGGGAGACGGCCAAGAGGTGGCACAAGAG
CTCTTCCAGCAGCAAACCGCTGCAGATGACGATGTGGCAGTGCAGACAGTGAAGAGGAAGTTTGCCCAT
CCCCATACTTCAGCCCCGTGTGCGAACAGGCGAGCATCGAACATGAGCTGTCTCCCCGGCTGGATGCTAT
TAAACTCGGGCGCAATCTGCGAAGGCGAAACGACGGCTCTTCGAGCTGCCCGATAGCGGGTATGGTCAG
ACACAGGTAGACTGAATCCGGACCTAAGCAAGTACAGGGCTCTAGTGAACACAGGATGGCAGACAGG
ATGATGATGAGGGGTCTGTAGTTCAGTCTACCCTCGACACAGGGAACCAGAACGGTCGGCAAACAACGA
CGAGGGATCTGGACGCAATGTGGGTGAACATGGTAGCCAGGAAGAGGAGAGGGCCGGGGCGACGGAGAA
GAGAGTGACCTGCAGTCTACATCCACAGGGAAGGGTGCAGGAGGAGTAGTTGAGATTCTGAGGGCAAGCA
ATAAAAAGGCAACTTCTTGGCAAATTCAAAGAACAGTTCGGCCTGGGCTACAACGAACTATTTCGGCA
TTTTAAAAGCGACCGAACGTCATGCGCCGACTGGGTGGTCTGTGTTTTCGGCGTCTTCTGCACAGTCGCT
GAAGGCATCAAGACTCTCATTACGCCTCTTTGCGACTACGCTCATATCCAGGTGCTGCCCTGCCAGTGGG
GCATGACAGTGTGATGCTGGTTAGGTACAAGCGGGCCAAAAACAGAGAAACAGTGGCAAAGGACTGAG
TACACTTCTGAATGTGCCGGAGAGCCAAATGCTTATTGAGCCTCCCAAATTCGGTCTGGCCAGCCGCC
CTGTATTGGTATAAACTTCTATGTCATCCTGTTTCAGACGTGTACGGCGAGACCCCGAGTGGATTGTGA
GGCAGACTATGGTCGGTCACGCCATGGAGGATGCGCAGTTTAGCCTGTCAGAAATGGTCCAGTGGGCATA
CGACCACGACATTACAGATGAAAGCACCCCTGGCATACGAGTATGCTCTGATCGCCGATACAGATTCTAAT
GCCGCCGCTTTCTGTCAATAATGCCAGGCCAAATATCTGAAGGATGCCTGTACAATGTGTAGACATT
ACAAACGGGGCGAGCAGGCCCGCATGAGCATGTCTGAGTGGATCTGGTTTAGAGGCGACAAAGTACAGGG
CGATGGAGATTGGAAACCCATAGTTCAATTTTTGCGATATCAGGATGTTGAATTCATACCTTTTCTGTGC
GCCTTCAAACCTTTCTGCAGGGAGTGCCCAAGAAGAGCTGCTTGGTGTCTATGGGCTGCCGACACTG
GCAAGAGCTATTTCTGCATGAGTCTGCTGCGGTTTCTCGGAGGGGAGTATTAGCTATGCCAATCTTC
CTCCATTTTTGGCTGCAGCCACTCAGCGAGGCCAAAATGGTTTGTGGACGATGCTACCTCTCAGTGC
TGGAAATACATCGACACATACCTCCGAAACGCTCTCGACGGGAACCAGATTTGTGTGGACAGAAAACATC
GAGCCTTGCTGCAGTTGAAATGTCCTCCTCGTTATCACTACTAACATCAACCTCTCACCGATGAAAG
ATGGAAATTCCTGAGGTCTCGCTTGAACCTTTTACATTCAAGAAATCCATTCAGTTCACAACTCAGGGC
GAACCTATGTATACCCTGAATGACCAGAAGTGAAGTGTCTTTCAGGCGGCTGTGGCCAGGCTGAGTC
TCACCGATCCCGAAGACGAGGAGGAGCACGGCAATCCCTCCGAGCCTTCCGCTGCGTGCCCGGACAGAA
TGCTAGGACCATC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >VC101834 representing NP_041743
Red=Cloning sites Green=Tags

MDDNTGTEGGACSESERAGGWFIWEAIVDRRTGDPISSDDDEEEDAGEDFVDFIDDTRSLGDGQEVAQE
 LFQQQTAADDDVAVQTVKRKFAPSPYFSPVCEQASIEHELSPRLDAIKLGRQSAKAKRRLFELPDSGYGQ
 TQVDTESGPKQVQGSSETQDGRQDDDEGSVVQSTLDTGNQNGRQNNDEGSGRNVGEHGSQEERAGGDGE
 ESDLQSTSTGKAGGVVEILRASNNKATLLGKFKEQFGLGYNELIRHFKSDRTSCADWVVCVFGVFCTVA
 EGIKTLIQPLCDYAHIQVLPQWGMTVLMVRYKRAKNRETVAKGLSTLLNPESQMLIEPPKLRSGPAA
 LYWKYKSMSSCSVDYGETPEWIVRQTMVGHAMEDAQFSLSEMVQWAYDHDITDESTLAYEYALIAADTDSN
 AAFLSSNCQAKYLKDACTMCRHYKRGEQARMSMSEWIWFRGDKVQGDGDKPIVQFLRYQDVEFIPFLC
 AFKTFLLQVPPKSCLVFYGPADTGKSYFCMSLLRFLGGAVISYANSSSHFWLQPLSEAKIGLLDDATSQC
 WNYIDTYLRNALDGNQICVDRKHRALLQLKCPPLLITTNINPLTDERWKFRLSRLQLFTFKNPPVTTQG
 EPMYTLNDQNWKCFRRLWARLSLTDPEDEEHGNPSEPFRCVPGQNARTI

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NC_001576

ORF Size: 2043 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_001576.1](#), [NP_041743](#)

RefSeq ORF: 2043 bp

Locus ID: 1489373

MW: 76.4 kDa