

Product datasheet for **VC100450**

E3 (NC_010956) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	E3 (NC_010956) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	E3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC100450 represents NCBI reference of YP_001974461 with codon optimized for human cell expression Red =Cloning site Blue =ORF Green =Tags(s)

GACGTTGATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAAGCTTTCACAGCCTGTGTCTTGATCAGTATAGTGACACTTAGCTCCGCAGCCATGATTAATGTAA
ATGTTACCGCGGGCGCAAGATTACTCTGAATGGAACCTATCCTCAGACAACATGGACAAGATATCATAA
AGACGGGTGAAAAACATTTGCGAATGGAACGTGACCGCATATAAATGCTTCAATAACGGTAGTATTACA
ATCACGGCCACTGCGAACATAACATCTGGAACCTACAAGGCCGAAAGTTATAAGAACGAGATTAAGAAGC
TGACATACAAAAACAACAAAACTTTTGGAGACTCAGGCAACTACGAACATCAAAAACTGAGCTTTTA
CATGCTTACTATAATAGAACTGCCTACCAAGGCCCAACTACTACTCCACAACAATAAAGACTACC
ACCCACAACTGTCCAGAATACCATTGCTCATCGGGTTTTGCTGCGGAAAATGAATCTACCACAG
AGCAAACAGAGGCCACCAGCAGTGCCTTCTCATCTACAGCAAACCTGACATCTCTGGCGTGGACTAATGA
GACTGGCGTGAGCTTGATGCATGGCCAGCCCTATAGTGGGCTTGACATTCAGATAACATTTTTGGTTGTG
TGTGGCATCTCATACTGGTGGTCTTCTGTATTCGTGTGCTGCAAGGCTAGGGAGAAGTCCCGCCGGC
CGATCTATAGACCAGTGATCGGAGAGCCCCAGCCACTGCAGGTTGATGGGGCCTGCGGAATCTGCTGT
CAGCTTACCGTTTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >VC100450 representing YP_001974461
 Red=Cloning sites Green=Tags

MKAFTACVLISIVTLSSAAMINNVNTRGGKITLNGTYPQTTWTRYHKDQWKNICEWNTAYKCFNNGSIT
 ITATANITSGTYKAESYKNEIKKLTYYKNNKTTFEDSGNYEHQKLSFYMLTIIELPTTKAPTTTSTTIKTT
 THTTVQNTLLIGFLLRENESSTEQTEATSSAFSSTANLTSLATWNETGVSLMHGQPYSGLDIQTIFLVV
 CGIFILVLLYFVCKKAREKSRRIYRPVIGEPQPLQVDGGLRNLLFSFTVW

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NC_010956

ORF Size: 786 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_010956.1, YP_001974461
RefSeq ORF: 786 bp
Locus ID: 6386273
MW: 29.2 kDa