

Product datasheet for **VC100458**

E4 (NC_010956) Virus Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: E4 (NC_010956) Virus Tagged ORF Clone
Tag: Myc-DDK
Symbol: E4
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >The Viral ORF clone VC100458 represents NCBI reference of YP_001974471 with codon optimized for human cell expression
 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGTACTGCCATTCTGCCCCCCCGCCGCTCAACGACCGACAGGGATCTCAACTGGATGGGAATGG
 CTTACAGGGTGCCTGCGGATGTGATGCGAGGCATTCGCATGGATGGGTCTTTATCAGCAGCGATGCCGA
 GGAGCTGCTTCAGAATCTTCGGGAATGGATGTACTTCTCATGGATGACGAAAGGCAGCAGCGGAAGGAC
 GGCCGACAGCGGGGATTTGCTGTAGCAGGCACACTTCTGCTGGCAAAGTACGATAAGGTACGGAAAGC
 GAATCCATTACAATGCAAATAGAGACAGTATACTCGACCCGCTAGTAGTATTCTCAGGGACCATT
 CACCATT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >VC100458 representing YP_001974471
 Red=Cloning sites Green=Tags

MVLPILPPPLNDRQGSINWMGMAYRVLADVMRGIRMDGFFISSDAEELLQNLREWMYFSWMTERQQRKD
 GRRRGICCSRAHFCWQKYDKVRKRIHYNANRDSIQLAPSSISQGPFTTI

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI



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Cloning Scheme:


ACCN: NC_010956

ORF Size: 360 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_001974471](#)

RefSeq ORF: 360 bp

Locus ID: 6386282

MW: 14.2 kDa