

Product datasheet for **VC100457**

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 VC100457 represents NCBI reference of YP_001974470 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCAAAGTGAATCCAGAGCTCAAGCCTGCGGCACCACCCTTACCGCCGAGCCAGGCTTCCAAGGAGCG
ATGAAGAGACCCGAGCCTCACTTACTGAGCAGCATCCCCTTCTGCCAGACTGTGATCATGCTGATTACCA
CAACGTCAGCTCTGTGCGCGCCCTCCATGTGCTGCAGGGTTTACGCTCTTGCAGGAGTTTCTGTGCTC
TGGGACATGATCCTGACTCCCAGAAAATAAAGATTCTGAAAAGATGCATGTCGGTCTGCTGTGCCCG
CGACACTGGACTTGGTCCGCGCCAAATGGTCTCTGGGTATGAGAGATGGATCCTGCACTGTCACTGCTC
TTCCCCAGGCAGTCTGCAGTGCCGCGCAGGGGGCACACTGTTGGCCGTGTGGTTTCGACGGGTGATCTAC
GGTTGCATGTTCAATCAGAGATCCCATGGTACAGACAAATCGTTAACAGGAACATGCCAAAGAAATTA
TGTACATGGGAAGCGTATTCATGCGGGGAGGCACCTCATATATTGAGAATATGGTATGACGGGCATGT
TGAAGCATTATACCTAACATGCTCTTTGGATGGTCCGCCCTCAATTACGGGTTGCTCAATAATATGGT
ATAATGTGCTGTACTTACTGTGAGAATATGGCCGAAATTCGGATGAGATGCTGTGCTCGAAGGACCAGGC
GGCTGATGCTGAAGGCTGTGCGCATTATTGTGAGAGAAACATGCGATCCCACCCATTTGCTCAAGCAG
AACCGAACCCCGCGGCAGCGCTTGTGCGAGCCCTTATGGAGAGGCACAGACCCATTCTTTTTTCTGAG
TATGAGAGTGTGAGGAGCTCACACAGTACCCGGCTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >VC100457 representing YP_001974470
 Red=Cloning sites Green=Tags

MQTEIQSSSLRHHPYRRARLPRSDEETRASLTEQHPLLPDCDHADYHNVSSVRGLPCAAGFTLLQEFPVP
 WDMILTPEEIKILKRCMSVCLCPATLDLVRAQMVSGYERWILHCHCSSPGLQCRAGGTLAVWFRRIY
 GCMFNQRFPWYRQIVNRNMPKEIMYMGSVFMRGRHLIYCRIWYDGHVGSIIIPNMSFGWSALNYGLLNMMV
 IMCCTYCENMAEIRMCCARRTRRLMLKAVGIIIVRETCDPDPICSSRTEPRRQRLLRALMERHRPILFSE
 YESVRSSHSTRL

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NC_010956

ORF Size: 876 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_001974470
RefSeq ORF: 876 bp
Locus ID: 6386282
MW: 34.1 kDa