

Product datasheet for **VC100530**

E4 (NC_001454) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	E4 (NC_001454) 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 VC100530 represents NCBI reference of NP_040878 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGATGCAACGGGATCGATGGTTCAGATGTCGGCTGAGTAGCTACCAGACGCACAGACTGCCTCCCCCTT
CCGAAGACTCTGTGCCGATCGCTACAATGGAGCGGACTCCCGCCTCTTGAATGCGAGCATCTCAATAT
GCATTACGTGCCAAGTCAGGAGCATTCCCTCTTGCACCCCTCGTGGTGTTCAGGAGTGCCCATG
TGGTGGGATATGATCTTGTCAAAGTGGGAAAAGCATGCTGCAAGATTTATATGCCGCTTTCGCTGCTGCT
GTGCCACTATTAACGTCGACTTCAACCAGATTGTTAGAGGTTTCGAACGGTGGACCATCCATTGCCACTG
CATTAAGCCCGGCAGCCTGCAATGCAAGGCTGGCGGGTGGTTCTGGCTAATTGGTTTAAAATGATGATT
TACGGTCTCTATAATTTGAGGTTTCCATGGTATCGCGAAATCGTGAAGTGTGGGATGCCAAAAGAAG
TTCTGTTTATGGGCTCTGTGTTTGTCCGAGGACGGCACTTCATTTATATCCGCCTCTGTATGATGGTCA
TGCTGCGATCGTGTGGAGAGGATGCTTTTGGCTGGTCTTCTTTAGCTATGGAATCATGAATAACATG
GTCGTAAGGGATGTAAGTACTGTAATAAATCTGGACGAGCTCTCAGTGGGCTGCTGCGCCCGGAGAACAA
GACGCTGCTGGCAAAGGCAGTCAAAGTCTGGGTTCTTTACCGTGAGAAGTCTTATGAGATCTCTGGT
GGAACCCCGCGCAGGGCCTTCTGCGAGGTCTCATGGAGCGGTAAGTGTCCATTTACACTGGCCGACTAT
AACCGGGGAGAAAACCCCTGGCGGCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >VC100530 representing NP_040878
Red=Cloning sites Green=Tags

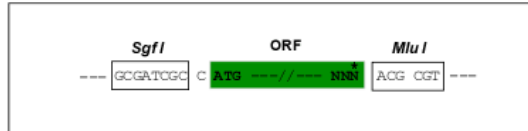
MMQRDRWFRCLSSYQTHRLPPSEDSVPIATMERTPGLLECEHLNMHYVSEVRSIPSCAPFVVLQEWPM
 WWDMLLSKWEKHVCKIYMRVCVCCATINVDFNQIVRGFERWTIHCHCIKPGSLQCKAGGVLANWFKMMI
 YGSLYNLRFWPYREIVNCGMPKEVLFMGSVFVRRHFIIYIRLLYDGHAAIVLERMSFGWSFFSYGIMNMM
 VVLGCTYCKNLDEL SVRCCARRTRRLAKAVKVLGSFTVRSMLRSLVEPRRQGLLRGLMERYCPFTLADY
 NRGENPWRA

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_001454

ORF Size: 867 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_001454.1, NP_040878
RefSeq ORF: 867 bp
Locus ID: 2715935
MW: 34.0 kDa