

Product datasheet for **VC101858**

E2 (NC_014952) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	E2 (NC_014952) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	E2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC101858 represents NCBI reference of YP_004169266 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAATCAGGCCGAGCTGACACGGCGCTTCGACGCCCTGCAGGATGAGCAATTGAATCTGTATGAGACAG
GCGCAGACGATTTGCAGAGCCAGATCAGACACTGGGAGCTCACGAAGCAACTGAATCTTTATATGTTTTA
CGGCAGGAAGGAGGGATATACAAATTTGGGATGCAACGACTGCCAATACTCCAGGTGTCTGAGTATAAC
GCTAAGATTGCTATCAACATGCTTATCTCCTGAAAAGTCTGGCAATTCAAAGTTCAAGGACGAAAAGT
GGACACTCTGACACCTCCTCAGACTTGATGCTGACACCACCGCAACACATTCAAGAAATCTGCCTA
CCAGGTGAAGGTTGAATTCGACAATGATCCGAAAACCTCTTTCTCTATACTAACTGGGACGAAATCTAC
TATCAGGACCTGAGCGACAAGTGGCACAAAACACAGGAAAGGTAGATCACACGGTCTGTACTTTGACG
ATATCTCTGGAGACCGCAACTACTTCTCCTGTTGAGCCCGAATCCGAGAAGTATGGGAAGACGGGTCT
GTGGACCGTGCCTACAAGTCCACCACCATCTCCTCCGTCGTTACCTCATCCAGTAACTGTCTTCTGGA
GGATATCCGGACAGCCAAGCGATATCTCACGCAGCAGCTCTCGTCTCAAGTCCCAGGAGGGGACGT
CCCGCGGTGCGAGGAACTAGACAGAAGGCGAGTATGATTCCCCAACGAGTACCGTCCGGAGTGG
CCGCGAAAGAGGAAGCGGAGTCAAGTCAAAGTCCCCATCCCGCGCCAGCCAGAAAAGACGGGTC
CACTCCGAACTGTCAACAGTCTCAGCGGAGGAGTGGGTAGGCGCCACAGGAGCCTCCCAAGGCACGGTC
TCTCCAGATTGGGTGACTCGAGGCTGAAGCTCGCGATCCGGACGTGTTGCTGTTAAAAGGCTGCGAA
TAACCTTAAATGCTGGAGATACAGGTGTAAAAAAGTTTGGGCATCTGTTTTCTTTATCTCTCCGTG
TTTCGCTGGATCAATGACGACTTAGCCAGCACTATAATTCCAGGTTGCTGGTTGCCTTCGAGAATCGCG
ATCAGAAAACAGTTTCTCATGAGTGTGACGTTCCAAAACAGAGCTCATACGTATTTGGAAAGCTGGA
TTCCTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >VC101858 representing YP_004169266
Red=Cloning sites Green=Tags

MNQAEL TRRFDALQDEQLNL YETGADDLQSQRHWELTKQLNLYMFYGRKEGYTNFGMQRLPILQVSEYN
 AKIAINMLILLKSLANSKFKDEKWTLSDTSSDMLTPPRNTFKKSAYQVKVEFDNDPENFFLYTNWDEIY
 YQDLSDKWHKTQGKVDHNGLYFDDISGDRNYFLLF SPESEKYGKTGLWTVHYKSTTISSVVTSSSKLSSG
 GYSGQPSDISRSSSRCSSPQEGTSRRCEETRQKGSYSPTSSTVGSGRGKRKRESEKSPSRRPARKRRV
 HSELSPVSAEEVGRRRHRLPRHGLSRLGRLEAEARPDVLLVKGSANLKCWRYRCEKFKGHLFSFISV
 FRWINDDFSQHYSRLLVAFENRQQRNQLMSVTFPKQSSYVFGSLDSL

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NC_014952

ORF Size: 1197 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_014952.1](#), [YP_004169266](#)

RefSeq ORF: 1197 bp

Locus ID: 10146722

MW: 46.1 kDa