

Product datasheet for **VC101814**

E2 (NC_001352) Virus Tagged ORF Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | E2 (NC_001352) 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 VC101814 represents NCBI reference of NP_077119 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s) |

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAACCCCTCGCCAACCGACTTGACGCTTGCCAGGAACTCTGCTCGAGCTGTACGAGAAAGACAGTA
ACAAGCTGGAGGATCAGATTAAGCACTGGGCACAAGTAAGACTTGAGAATGTGATGCTCTTTAAAGCGCG
GGAATGCGGCATGACGAGGGTCGGTTGCACAGCAGTGCCCGCACTCACAGTAAGCAAAGCAAAAGCCTGC
CAGGCCATCGAGGTCAGCTCGCCCTGCAGACCCTTATGCAATCCGCATATAGCACCGAAGCTTGGACTC
TCCGAGACACATGCCTCGAAATGTGGGACGCTCCTCCAAAAAGTGTGGAAGAAAAAGGCCAATCTGT
CCTGGTAAAGTTCGATGGTAGTAGTGACCGGGATATGATCTACACCTCATGGGGCTTTATACGTTTCAG
GATACCATTACCGATTCTTGGCATAAAGTTCTGGGCAGGTGACGAGTTGGGACTTTACTACGTCCACG
ACGGTGTGCGCGTGAACACTACGTCGATTTTGGAACTGAATCCTTGACCTACGGTGTACTGGAACCTGGGA
GGTCCACGTTGCTGGAACCGTCATCCACCATACGAGCGCAAGTGTGTATCCACACAAGCTAGTGCCTCC
GATGACGAGCCACTTAGTCCCATCAGGACAGCCGTGAGCCCTGTCCAGCGCCTGTTGCTGCTTCCGCCG
AATCTACCGGCGCCGGAAGGGCTGCCCCACCTACTCAAGCACTGTGCAGCGCCCAAGCCCAACTCCCC
TCCCGCAAAGCGACAGAGAGTATTGTGCGTCAAGCAGCATCCCCGGCCGACTCAACCCGACCGTCCGA
GAAGGTGAGGTAGAATGCTACAACAAGAGAAGCATTTTCAGACAGTAACCGCACTGATCCTCGGTGGGGC
ATGGAGATACCGATAGCGTGCCTGATCCATCTGCGGGGGATGCCAATTGCCTCAAATGCTTCCGCTA
TAGAGTGCAGAAGCACAAGGACGTGCTTACGCGAGAGTCTAAGCACCTGGCACTGGGCAGGCGGCAAT
GGTGACAAGACGGCTTTCGTCACCCTGTGGTACACATCAGTAGAACAGCGCACAGAGTTTCTGACACGGG
TGAGCATTCCAAGGGCTTGATCGCACTGCCTGGATACATGAGCGCTTTGTC

ACGCGTACGCGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >VC101814 representing NP_077119
Red=Cloning sites Green=Tags

METLANRLDACQETLLELYEKDSNKLEDQIKHWAQVRLLENVMLFKARECGMTRVGCTAVPALTVSKAKAC
 QAIEVQLALQTLMQSAYSTEAWTLRDTCLEMWDAPPKCKWKKKGQSVLVKFDGSSDRDMIYTSWGFYVQ
 DTITDSWHKVPQVDELGLYYVHDGVRVNYVDFGTESLTYGVTGTWEVHVAGTVIHHTSASVSSTQASAS
 DDEPLSPIRTAVSPVPAPVAASAESTGAGRAAPTQALCSAQAPTSPPAKRQRVIVGQQHPRPDSTRTVG
 EGEVECYNKRISDSNRTPRWGHGDTDSVPVIHLRGDANCLKCFRFRVQKHKDVLVARVSSSTWHWAGGN
 GDKTAFVTLWYTSVEQRTEFLTRVSIPKGLIALPGYMSAFV

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NC_001352

ORF Size: 1173 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_001352.1](#), [NP_077119](#)

RefSeq ORF: 1173 bp

Locus ID: 1489228

MW: 43.2 kDa