

Product datasheet for **VC101835**

E2 (NC_001576) Virus Tagged ORF Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | E2 (NC_001576) 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 VC101835 represents NCBI reference of NP_041744 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s) |

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGACCCTGGCAAACAGGCTGGATGCGTGCCAGGATAAAATGCTGGAGTTGTATGAGAAAGACAGCG
ATAAGCTGGAGGACCAGATTACACATTGGCACTTGCTGAGAGTTGAAAACGCTCTTCTGTACAAAGCCAG
GGAGTGTGGCCTGACCCATATCGGTCAACAGGTTGTGCCTCCACTGAGTGTTACCAAAGCAAAGGCACGC
AATGCCATTGAAGTGCACGTTGCATTGCAGCAGCTCCAAGAGTCAGCATATGCACATGAGCCATGGACCC
TGCAGATACTAGTAGAGAGATGTGGGATACAGCCCCAAGGGCTGCTGGAAGAAAAGAGGCATTACTGT
GGAGGTGAGGTATGACGGGGACGAATCTAAAGCCATGTGCTATGTCCAATGGCGGGAATTGTACGTGCAG
AATTACTCAGATGACAGATGGGTGAAAGTGCCCGCAAGGTCTCATACGAGGGCCTGTATTATACACACG
AGAACATGAATATTTACTATGTGAATTTCAAAGATGACGCATGCGTGTACGGAGAAAACAGGCAAATGGGA
AGTGCACGTGGGTGGCAAGGTGATACACCATGACGCATTTGATCCGGTGTCAAGCACTCGAGAGATCTCA
ACACCCGGCCCGTGTGCACATCCAATACCACTCCTGCTTCCACTCAAGCCCAAGTGGGCGCAAGTGAAG
GTCCGGAACAGAAAAGGCAGCGACTCGAGGCAGTCGACGGGCAGCACCAGCAGCAGAGGCAGGGCAGCAA
GGACAGTACTCAGAAAGCAGCTGAGCGGGCCGGGGCCAAAGTCGATAGCGACCGAACACGACTCTGCGAT
ACCCGATCTGCTACCCCGTTCCGCACCCCTTCCAGATCCCGACTGTGCGCCTGTGATCCACCTTCGGGGTG
ACCCCAATAGCCTGAAGTGCTTTAGGTACCGGTTGCACCACGGTAAGAGAAAGCTGTACAGCAGGTCAG
CAGCACCTGGAGGTGGAGCTGCGAGTCCGAGAATCAGGCCGCTTTGTAACACTGTGGTATACATCCGAC
ACTCAGAGGACAGAGTTCCTGAACGTAGTCAAGGTCCTCCTGGTATTCAAGTGATCCTGGGCTACATGT
CCATCTTT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >VC101835 representing NP_041744
Red=Cloning sites Green=Tags

METLANRLDACQDKMLELYEKDSKLELDQITHWLLRVENALLYKARECLTHIGHQVVPPLSVTKAKAR
 NAIEVHVALQQLQESAYAHPEWTLRDTSMEMWDTAPKGCWKKRGITVEVRYDGDDESKAMCYVQWRELYVQ
 NYSDDRWWKVPVKVSYEGLYYTHENMNIYYVNFKDDACVYGETGKWEVHVGGKVIHHDADFVVSSTREIS
 TPGPCTSNTPASTQAQVGASEGPEQKRQRLEAVDGGHQQRQGSKDSTQKAAERAGGQVDSRTRLCD
 TRSAHPVRHPSDPDCAPVIHLRGDPNSLKCFRYRLHHGKRKLYSRSSSTWRWSESENAAFVTLWYTS
 TQRTEFLNVVKVPPGIQVILGYMSIF

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NC_001576

ORF Size: 1128 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_001576.1](#), [NP_041744](#)

RefSeq ORF: 1128 bp

Locus ID: 1489374

MW: 43.0 kDa