

Product datasheet for **VC102004**

E2 (NC_001595) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	E2 (NC_001595) 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 VC102004 represents NCBI reference of NP_041857 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGAAGTTGGCTCGGCGCTTGGACCTCTGCCAAGAACAACCTGCTGGAACGTACGAGCAGGATTCAA
AACAGCTCCAACATCATATTCTGCACTGGAAATATATCCGGTATGAAAGTGTGATCTACTACACAGCAAG
GCAAATGGGGATCAAACGACTCGGCCACCAGGTTGTACCAAGCTGGACGTGAGTAAGGCCAAGGCCAC
GCAGCGATCGAAATGCAAATGTGCCTCGAGAGCCTGCAGACAACCGAGTACAACCTTGAGCCATGGACTC
TGCAGGACACGTCCCAAGAACTGTGGCTGGCCGAGCCAAAAAAGTGCTTCAAAAAGGAGGCAAACTGT
GGAGGTGAGATTCGACTGCAACGAACATAACGCTATGCATTATACCCTGTGGACTGCAGTTTACGTTCAA
GTGGAGGACACATGGACAAAGGTGGAGGGACAGGTTGACCACCGAGGGCTGTTTTACACAGTGCACGGAT
GTACCACATACTACGTGGACTTCGGCAAGGAGGCCATACTTATGGGAAAACCAATGACTGGACTGTCAT
AGTCGGAAGCAGGGTTATTTGCTCTCCTTCAACAGTGGAGGGCTGCCTATCGTGGCACCCGTGGACATT
AGGCATCCAGCCGCTACCGACGCAACAGATGCCACAAAAGTTCATGACGCGCCCTACGCTCTGCCTGCTA
GCACCACCAAGGTTTATAACGATTCACACGCTCCTCCGCGAAAAGGAGACGGGATGGCGATCTGAGCAT
CTCCGCAGTCGACGGATGTTCCGGCCGAAAGTATGTTGATACCGGAATCGGGCAGGTCTCCAGATATC
GAGTCCAATAATAAAATTCGCAATTCTGGAGGCGGCCACAGCACGCTATTATTCAGCTCGAGGGAGACG
CCAAGTGTCTCAAATGTTTCCGCTATCGCTGACCAAGGTATCCCATCTTTATACGAACTCCTCAACAAC
GTGGCGCTGGACCACAGAAAGTAGAACCAACAAAAACGCAATCATCACCTTACATACTCCTCAGTCCAC
CAGCGGTCTCAATTTCTGGCTCTGGTTAAGATTCTAAAACGATCAAGCACTCTCTGGGCATGCTGACGA
TCATG

ACGCGTACGCGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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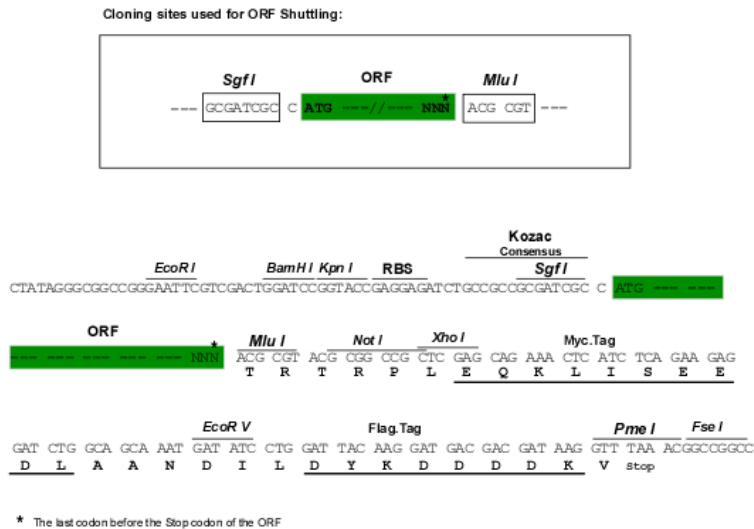
Protein Sequence: >VC102004 representing NP_041857
Red=Cloning sites Green=Tags

MEKLARRLDLCQEQLLELYEQDSKQLQHHILHWKYIRYESVIYYTARQMGIKRLGHQVVPVSLDVSKAKAH
 AAIEMQMCLQTEYNLEPWTLQDTSQELWLAEPKCKFKKGGKTVVRFDCNEHNAMHYTLWTAVVVQ
 VEDTWTKEGQVDHRGLFYTVHGCTTYVDFGKEAHTYGTNDWTIVGSRVICSPSTVEGLPIVAPVDI
 RHPAATDATDKVHDAPYALPASTTKVYNDSHAPPRKRRRDGDLISAVDGCGRKYVDTGNRARSPTDI
 ESNNKIRNSGGGHSTPIIQLEGDANLCKFRYRLTKVSHLYTNSSTTWRWTTESRTNKNAIITLTYSSVH
 QRSQFLALVKIPKTIKHSGLMLTIM

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NC_001595

ORF Size: 1125 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_001595.1](#), [NP_041857](#)

RefSeq ORF: 1125 bp

Locus ID: 1489471

MW: 42.7 kDa