

Product datasheet for **VC101847**

E2 (NC_012213) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	E2 (NC_012213) 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 VC101847 represents NCBI reference of YP_002647036 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAACACTTGTTTCAGCGTTTCGATGTCGTTTCAGGACAAGCTCCTCGGATTGTATGAGGCCGGGCACA
CCGACCTGGATTCTCAGATAACAATACTGGGACCTGTTAGACAGGAAAATGTGCTGCTGAACCTTTGCGAG
GAGACACGGTATCCAAATGTTGGGATTGCAGAGAGTCCCCCCTGGCTATCTCAGAGAGCAAGGCAAAG
ACGGCCATTATGATGCGGCTTGTCTTGACTCTCTTAAAAAGTCTCCATTCCGGTCAGGAACCATGGGGG
TGACTGATACCTCACACGAGCTGTACACTACGCCTCCAGAGAACACATTTAAGAAAGGCGGCCAGGT
GGAGGTCCTGTACGACAACGAGGAAAACAAGCAATGCCTTATACCAAATGGAAATATATCTACTACCAG
GACTCAGAGGATCTGTGGCATAAGACGCACGCACAGGTTGACGCGAAAGGTCTGTACTTTGTAGACACCC
AAATGCACAAGCATTACTACGTCCAGTTTGATAAAGAGGCCATGCAGTATGGGCACAAGGGAGTGTGGCA
GGTGAGAACCGGCACCGACGATTTTCGGCGCTTCTTCTGTTGCCAGTACATCACGCGGCCAGACGCC
ACGTCTACTGATCCTCAGGCAGGCGCCTCCAGAAAAGAAAGAGGAAGAGACGGCGCCGCTACCCATCCA
CGACGACTACTGCAACCAGCGAATCAGATACCGAGGAAAGCACTAGCGACAATCGCAGACGAAGCGGAG
ACGCTGCGAGAGCGGAAGCACCATCTCGCCATAGGTGGGGCACAGGGACTGAATCCGCTTCCGATACA
AGCGCCAGCGTAGGCTCTCGACACCGATCACCGAACAGGCATTATCCCTCCCGCCTCGCTAGATTGCAGG
CCGAGGCGCGGGACCCGCTATACTCATCGTGAAGGGACCCTCCAATACGCTGAAATGTTGGAGGTACAG
GTGCAAAACCAAATATTCTGGACTGTATGTTAACATATCTACAGGATTACCTGGGTGACTGGGGCCGGG
ACTGAGGGACACGCTCGGATCCTCGTCGTTTCAAGGATAAGATGCAGAGAGACCTTTCATGCAAAACC
TAAACTCCCTAAGGGCACCTCCTGTGCCTTGGCAACCTGGAGAGTTTG

ACGCGTACGCGGCGGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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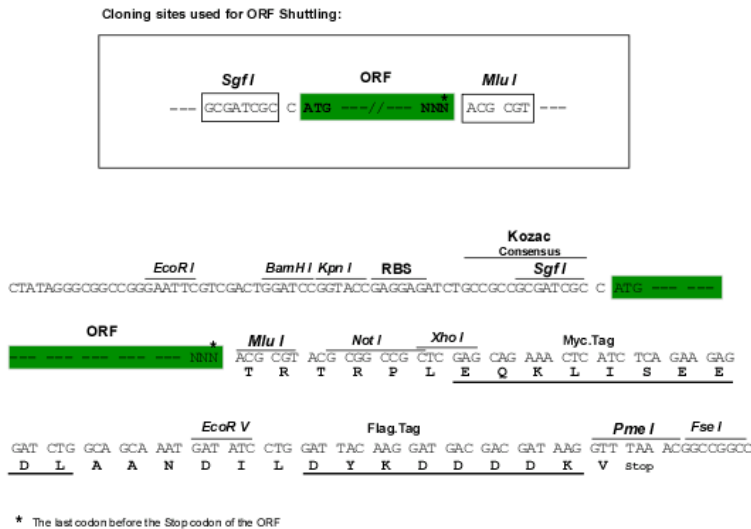
Protein Sequence: >VC101847 representing YP_002647036
Red=Cloning sites Green=Tags

METLVQRFDVVQDKLLGLYEAGHTDLDLSQIQYWDLVRQENVLLNFARRHGIQMLGLQRPPLAISESKAK
 TAIMMRLVDSLKSPFGQEPWGLTDTSHELYTPPENTFKKGGGAQVEVLYDNEENKAMPYTKWKYIYYQ
 DSEDLWHKTHAQVDAKGLYFVDTQMHKHYVQFDKEAMQYGHKGVWQVRTGDTDTIFGASSVASTSRGPDA
 TSTD PQAGRLPERKRKRRRRYPSTTTTATSESDTEESTSDNRRRKRRLRERKHSRHRWGTGTESASDT
 SASVGSRRSPNRHYP SRLARLQAEARPPILIVKGPSNTLKCWRYRCKTKYSGLYVNI STGFTWVTGAG
 TEGHARILVAFKDKMQRDLFMQTVKLPKGTSCALGNLESL

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NC_012213

ORF Size: 1170 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_012213.1, YP_002647036](#)

RefSeq ORF: 1170 bp

Locus ID: 7559096

MW: 44.8 kDa