

Product datasheet for **VC101778**

E2 (NC_012485) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	E2 (NC_012485) 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 VC101778 represents NCBI reference of YP_002756541 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**

ATGATGGAACGTTGACCGAACGGTTCGACGCCCTGGAAGAGAACCTCCTCCAATTGTATGAGGCCGGATCCGATAAGATTGACGATCAGATTCTGTACTGGGACATTATTCGCCAGGAAAACGTTCTTTTCTTCTACGC TAGGAAGAAGGGCCTTCAGAGGATTTCCCTGCAGCCAGTCCCAGCCTGACCGTCTCCGAACATAAGGCT AAACAAGCTATCATGATGAGTATACAGTTGACTAGCCTGAAGAACAGCGCTTTTCGGTAACGAACCTTGGACTCTGCAGGACACTTCTTTGAGCTCTATAATGCGCCACCGCAGAATACATTTAAAAAACAGGCTTTTAC TGTGGATGTTTTTATGACAACGACGAGGACAATTATTACCCGTATACTGCCTATAAATTTATTTATTAC CAGAATGGGGATAACATCTGGCATAAAGTGGAGAGCGACGTGGACTACGAGGGTCTTTTCTACATAACTC ATGACTATGAAAAAGTGTATTACGTGACATTCGACCAGGACGCTCGGCGGTTTTCCAGAACCGGGCACTG GACTGTTAAGTACAAGAATCGAACCATCTCATCCACCTCAGTGACAAGCACCTCTGGCACCCACCTGAA CATCCCAGTTCAGTCGCTCTGGTGCCAACACATTGGCTAGACAGACTGAGATAGCCCCACAGGAACGCA GACGGCCCCGATCCAGTTCAGAAAGCCCTCAGAGACATACTCGCCCTCGAACCTCCAGTCCGACGGGGA TACTAGTCGCTCAACCCCGGGCGGAGGCTCAGACGAAGAAGAAGAGAGGGGAGCCAGCCGACAGCGC AGAGAACAGAGAAAGACTAATACCACTCGTCCCTCCTACCAAGCCCGGAGGCAGTCCGACGCAGGCATA GGGTTGTGGAGGGTAAGGGACTGTCTCGGCTCGGAAGGTTGCAGGAGGAAGCAGGAGTCCACCTCTGAT CTGTCTGAAGGGACCTGCAAACCCCTGAAGTGTGGAGGTATCGGTGTAACCTGAAATATCGCGGCATG TTCTACAGGATCAGTACCGGATTCAGCTGGGTGGCTGAAGGTCCAGCTCGCCTGGGCGACCAACGAATGT TGATCGCTTTTCAACTCTGCTCAGCGCCAAGCCTTCTCAAGATCGCCGCTTTCTAAAGGGACCCA ATTCGCGCTCGGAAATCTGGATTCACTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATTACAAGGATGACGACGATAAGGTTTAA



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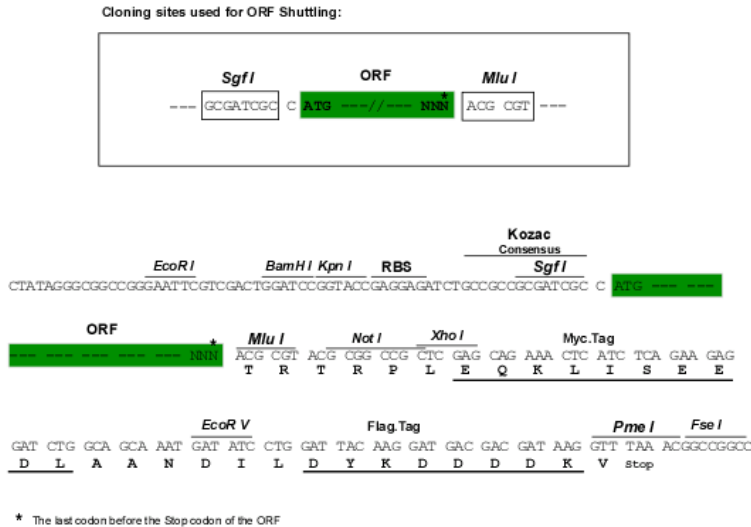
Protein Sequence: >VC101778 representing YP_002756541
Red=Cloning sites Green=Tags

MMETLTERFDALEENLLQLYEAGSDKIDDQILYWDIIRQENVLFFYARKKGLQRISLQPVPSLTVSEHKA
 KQAIMMSIQLTSLKNSAFGNPWTLQDTSFELYNAPPQNTFKKQAFVDFYDNDEDNYYPYTAYKFIYY
 QNGDNIWHKVESDVYEGFLFYITHDYEKVYVYVTFDQDARRFSRTGHWTVKYKNRTISSTSSTSTSGTPE
 HPSSSRSGANTLARQTEIAPQERRRPRSSSESPQRHTRPRTSQSDGDTASSTPRRRLRRRRREREPAAQR
 REQRKTNTTRSSYPSEAVGRRHRVVEGKGLSRLGRLQEEARGPPLICLKGPANTLKCWRYRCKLKYRGM
 FYRISTGFSWVAEGPARLGDQRMLIAFHNSAQRQAFKIAAFPKGTFALGNLDSL

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NC_012485

ORF Size: 1218 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_012485.1](#), [YP_002756541](#)

RefSeq ORF: 1218 bp

Locus ID: 7701330

MW: 47.1 kDa