

Product datasheet for VC101806

E2 (NC_001357) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	E2 (NC_001357) 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 VC101806 represents NCBI reference of NP_040313 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCAGACGCCGAAGGAGACCCTGTCCGAGCGCCTGTCATGTGTGCAAGACAAGATCATCGACCATTATG
AAAATGACAGCAAAGATATTGACAGCCAAATTC AATACTGGCAGCTTATCAGGTGGGAAAACGCTATCTT
TTTTGCCGCCCGGAACACGGCATTCAAACCTGAACCACCAGGTTGTTCTGCTATAATATCTCCAAG
TCCAAAGCTCATAAGGCAATAGAGCTGCAGATGGCACTGCAAGGACTGGCTCAGAGCAGATATAAAACCG
AAGACTGGACACTGCAGGACACTTGTGAGGAGTTGTGGAATACTGAACCCACCCACTGCTTCAAAAAAGG
CGGCCAAACTGTGCAGGTTTACTTCGACGAAATAAGGACAACCTGCATGACATATGTGGCATGGGATAGC
GTCTACTATATGACAGACGCAGGAACATGGGATAAGACAGCAACCTGCGTCAGCCATCGCGGCCTGTATT
ATGTGAAGGAGGTTATAACACCTTTTACATCGAATTC AAGTCTGAATGTGAAAAATATGGCAACACCGG
CACTTGGGAGGTGCATTTGAAATAACGTCATCGATTGCAATGACTCAATGTGTAGCACCAGTGACGAT
ACAGTGTCTGCCACGCAGCTGGTCAAGCAGCTCCAGCACACCCCGAGCCCTTATAGTAGCACTGTGAGCG
TAGGCACAGCGAAAACCTACGGGCAAACGTCGCCCGCAACCAGGCCAGGCCACTGCGGGCTGGCTGAAAA
GCAGCACTGCGGACCAGTGAATCCTCTGTTGGGCGCCGCCACCCCACTGAAACAATAAGCGGAGAAAAG
CTGTGCTCCGGCAACACCACCCCATCATCCATCTCAAAGGCGACAGAAAAGTCTTAAGTGCTCCGGT
ATCGCCTTCGAAAACACAGCGATCATTACAGAGATATTAGTTCAACTGGCATTGGACCGGTGCGGGTAA
CGAAAAGACAGGCATCCTGACTGTGACGTATCATTCCGAAACTCAAAGAACAAGTTCTGAATACCGTC
GCTATTCCAGACAGCGTTT CAGATTCTCGTTGGCTACATGACCATG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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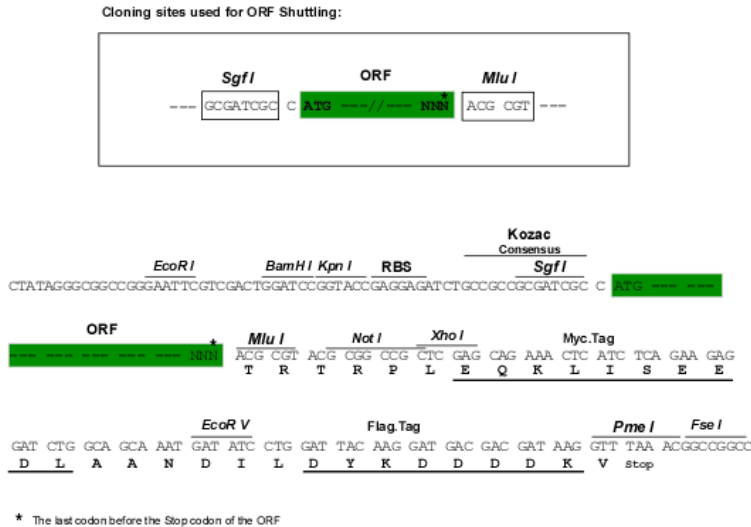
Protein Sequence: >VC101806 representing NP_040313
 Red=Cloning sites Green=Tags

MQTPKETLSERLSCVQDKIIDHYENDSKDIDSQIQYWQLIRWENAIFFAAREHGIQTLNHQVVPAYNISK
 SKAHKAIELQMALQGLAQSRKTEDWTLQDTCEELWNTEPTHCFKKGQTVQVYFDGNKDCMITYVAWDS
 VYMTDAGTWDKTATCVSHRGLYYVKEGYNTFYIEFKSECEKYNGTGTWEVHFGNNVIDCNDMSMCSTSD
 TVSATQLVKQLQHTPSPYSSTVSVGTAKTYGQTSAAATRPGHCLAEKQHCQGPVNPPLLGAATPTGNNKRRK
 LCSGNTTPIIHLKGRNSLKLRLRKHSDHYRDISSTWHWTGAGNEKTGILTVTYHSETQRTKFLNTV
 AIPDSVQILVGYMTM

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NC_001357

ORF Size: 1095 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_001357.1](#), [NP_040313](#)

RefSeq ORF: 1095 bp

Locus ID: 1489085

UniProt ID: [P06463](#)

MW: 41.4 kDa