

Product datasheet for VC101799

E2 (NC_014185) Virus Tagged ORF Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | E2 (NC_014185) 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 VC101799 represents NCBI reference of YP_003668028 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s) |

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGAAGCTGCGGAACGCTTCGATGCTGTGCAAGAGGCGCTCCTGACACTTTATGAAAACGCCGCCA
AAGACATTGATACCCAGATCCAGCATTGGGAGCTGCTCAGACAGGAGCACGTATCATGTACTATGCTAG
ACAGAACGGAATAAAGCGCATCGGATCCACCAGGTGCCAAGCTTGGCAACATCCGAACAAAGCCAAG
GAGGCCATCCGGATGACAATCCTGCTCAAATCTTTGAAAGACTCTCCTTTCCGGTCTGAGACATGGAGTC
TTACGGAAACATCCCTGGAAATTGTCAACGCCGACCCAGTAACCTGCTTTAAGAAGGAAGCATATATCGT
GGATGTGTATTATGATCGCGATGCGGATAAAGTTTATCCATACACAGGTGGAAGCATATTTATTTTCAG
GGCGAAGACAATATGTGGCACAAAACCCCTGGCCGCTGGACTACTATGGTCTGTACTACATCGATGACT
ATGGTGACAAAGTCTATTATGTGAACCTCGACGAGAAAGCCAGACGCTTCCGTCACAGGAGAGTGGGA
GGTAAAAACCAAATAAGACTATCTCTCCCTCCGTTACTTCTAGCTCTAGCCCCACCGCTGGAACCC
GCTCAGGGCCACACTTCTACTCCCCCTGGAATAGTGAAACAATAGAGGAGGTGAGAAGAAAACAAGAAG
GCCCAAAGAACACCTCTGTTCCCTCCTCCGAAGAGACACCCGGACTGCGGCATAACAGAAGAAGACGAGA
GGGTGAGAGCGGAATCACCAGGTCTCCAAGCGCGCGGACCGATATCCAGACAGCACCGGCCCTGCG
TACCCAACCTCCAGCCAGGTAGGTAGTAGCCATCGGTCCGCGTCCGGGCACTATAGTTCCCGGCTTGAAC
GACTGCAGGCGGAAGCCAGAGACCCGCCATAATTATTGTTAAGGGATGCGCTAACACACTTAAATGCTG
GAGGTTCCGGTTCAAGAAACAGAATAGAAAACCTGTTCCGAGCAGGCGTCAACCGTGTTTAAATGGGTGGAT
TATGACAGTTCAGCCGGATGCTGCTTTCATTCAAGGATACAGCACAGAGACAGCTGTTTCTCGACACCC
TTACTTTGCCTAAAGGAACCCAGGTTGCTCTGGGAGTCTTAACAGCCTC

ACGCGTACGCGGCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAAGGTTTAA



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Protein Sequence: >VC101799 representing YP_003668028
Red=Cloning sites Green=Tags

MEKLRRERFDAQVEALLTLYENAAKDIDTQIQHWELLRQEHVIMYYARQNGIKRIGFHQVPSLATSEHKAK
 EAIRMTILLKSLKDSFGSETWSLTETSLEIVNAAPSNCFKKEAYIVDVYDRDADKVYPYTGWKHIYFQ
 GEDNMWHKTPGRVDYYGLYYIDYDGDVYVNFDEKAQTL SVTGEWEVKYQNKTI SP SVTSSSPTAWKP
 AQGHTSHSPWNSETIEEVRKQEGPKNTSVPSSSEETPGLRHNRRRREGESGITRSPKRRRTDIPDSTGPA
 YPTPAQVGS SHRSASGHYSSRLERLQAEARDPPIIIVKGCANTLKCWRFRFKKQNRKLF EQASTVFKWVD
 YDSSSRMLLSFKDTAQRQLFLDTVTL PKGTQVALGSLNSL

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NC_014185

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_014185.1, YP_003668028](#)

RefSeq ORF: 1170 bp

Locus ID: 9231101

MW: 44.9 kDa