

Product datasheet for **VC102203**

E2/NS1 (NC_009824) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	E2/NS1 (NC_009824) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	E2/NS1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC102203 represents NCBI reference of YP_001491551 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCACACTTACACTACCGGAGGCACCGCTTCCCGGCACACACAGGCTTTCGCTGGACTGTTTCGACATCG
GACCTCAGCAAAAAGTGCAGCTTGTCAATACTAATGGGTCCTGGCATATTAATAGCACCGCCCTTAATTG
CAACGAGAGCATCAATACCGGATTCATCGCCGGACTTTTTTATTATCACAAAGTTAACTACAGGATGC
CCGCAAAGACTTTCTTCTTGTAAACCCATCACATTTTTTAGACAGGGCTGGGACCTCTGACGGACGCAA
ATATTACCGGTCCATCTGACGACCGCCCACTACTGTTGGCATTACGCGCCTCGCCCTGCGATATTGTCCC
TGCGTCTAGCGTATGCGGACCAGTGATTGTTTACACCCAGCCCGTGGTCTGTTGGAACTACTGATGCT
CGGGGAGTGCCGACTTACACATGGGGCGAGAATGAGAAGGACGTGTTTCTGCTTAAGAGCCAGCGGCCAC
CAAGCGGGAGGTGGTTCGGATGCTCCTGGATGAATTCAACCGCTTCTCAAGACGTGCGGCGCCCTCC
GTGCAACATATGTTGGCGAGGGCAACCCACACAACGAGTCAGACCTGTTTTGTCCAACAGACTGCTTC
AGAAAACATCCTGAGACAACCTATAGTAGATGCGGAGCAGGACCCTGGCTTACTCCCAGGTGATGGTGC
ATTATCCCTACCGCTGTGGCACTATCCGTGCACCGTGGATTTCCGGCTGTTCAAAGTCAGGATGTTGCT
GGGGGTTTTGAGCACCGTTCACTGCAGCATGCAATTGGACCCGGGGCAGCGGTGATATCGAGGAC
CGAGATCGCAGCGAGCAGCACCTTTGCTGCATAGCACTACTGAACTTGCATATTGCCCTGCTCCTTTA
CTCCAATGCCAGCCCTCTCCACAGGTTTGATTCACTTGCACCAGAACATTGTGGATGTACAGTACTTGTA
CGGAGTGGGGTCTGGCATGGTGGGTGGGCACTCAAGTGGGAGTTGTAATTCTCGTCTTCTCCTGTTG
GCCGATGCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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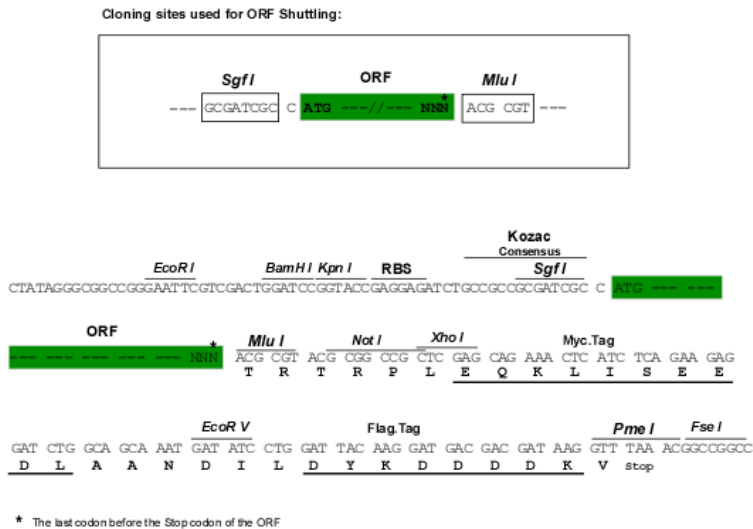
Protein Sequence: >VC102203 representing YP_001491551
Red=Cloning sites Green=Tags

MHTYTTGGTASRHTQAFAGLFDIGPQQKLQLVNTNGSWHINSTALNCNESINTGFIAGLFYYHKFNSTGC
 PQLRSSCKPITFFRQGWGLTDANITGPSDDRPYCYWHYAPRPCDIVPASSVCGPVYCFTPSPVVVGTDA
 RGVPTYTWGENEKDVFLKLSQRPPSGRWFGCSWMNSTGLKTCGAPPNCIYGEGGNPHNESDLFCPTDFC
 RKHPETYSRCGAGPWLTPRCMVDYPYRLWHYPCTVDFRLFKVRMFVGGFEHRFTAACNWTRGERCDIED
 RDRSEQHPLLHSTTELAILPCSFTPMPALSTGLIHLHQNIVDVQVLYGVGSGMVGWALKWFEVILVFLLL
 ADA

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NC_009824

ORF Size: 1059 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_009824.1](#), [YP_001491551](#)

RefSeq ORF: 1059 bp

MW: 39.6 kDa