

Product datasheet for **VC101771**

E2 protein (NC_008189) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	E2 protein (NC_008189) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	E2 protein
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC101771 represents NCBI reference of YP_656501 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGACGTTGGTGGATCGGTTTCGACGCTGTTCCAGGACCGGCTGCTGGGAATTTATGAAGCTGGCCGGA
CCGACATCGATGGTCAGATTGTGCACCTGGGACCTTGTGAGACAAGAGTACGTACTGCTGCACTATGCACG
AAAAACGGCATTTC AACCTGGGCATTCAGAAAGTCCCTCCCTGGCTACATCTGAGTCTAAGGCGAAG
CAGGCAATACTGATGGGGATCGTTCTGAAATCACTCAAGAAGCGCATTCGGCAATGAGCAGTGGACTC
TCACTGATACAAGCTACGAAGTTCATGACACCCCAAGCCATACCTTCAAGAAACAAGGAAAACTAT
TGAAGTGTGGTACGGCAATAACGAGGACAACGCAGTGCCATATACCCTCTGGACTGCCATCTACTATCAG
GACGCTCAGGATAACTGGTACAAAGCAAGAGGACAGGTGTCTGCAGATGGACTGTAATATCGATTGGG
AGGGGAATAAACATTTCTACGTGCGATTCCGCCGACGAGGCGACCAATTCGACGCTGCCAACGAATGGCA
AGTTAGAACCAGAAAGCGAAATCATTAGCAATTCAGTCACCAGCACACCTCCAGATCCGATCCTAGACCA
ACCGGGAGCTCCGCTATTACATATGAGACCAGTCGGCACGACACCGCCGACCCGGCGCAGCACCAAAA
GACCCAGGCCATCACCTTCTCCGTCAGCGACCAAGTCCACGGAGTCCGACACCCAGGACATCATAACG
GTCCCGCCGAATCCAGCAACGGAAGCACAAAAGCCAGAGACCCCGCTGGGGAAGTGAATCCCAATACAG
AGCCCATCTTCAGTGGGACAGGGCCATCGCCTGCCTAACAGACATTATAGATCTCGGCTTCTCGATTGC
AGGATGAAGCCCGAGACCTCCCGTCATCTTGATTAAAGGACCCGAAACACTACCAATGTTGGCGCTA
TAGAATGAAACAGAATTATAGGGCACTTTTGAATCTATTTCCACAGCCTTCTCCTGGGTGGGTGATCGG
GGCTCCGACAGAGTGGGCTGTTCTAGGGTGTCTGTTGGCCTTCCGAAACAATAGTCAGAGGGAGAGGTTCC
TCCATACCGTCAAACCTCCAAAAGGCACCCAGTTTGTGTTGGCAACCTCGAGAGTCTG

ACGCGTACGCGGCGGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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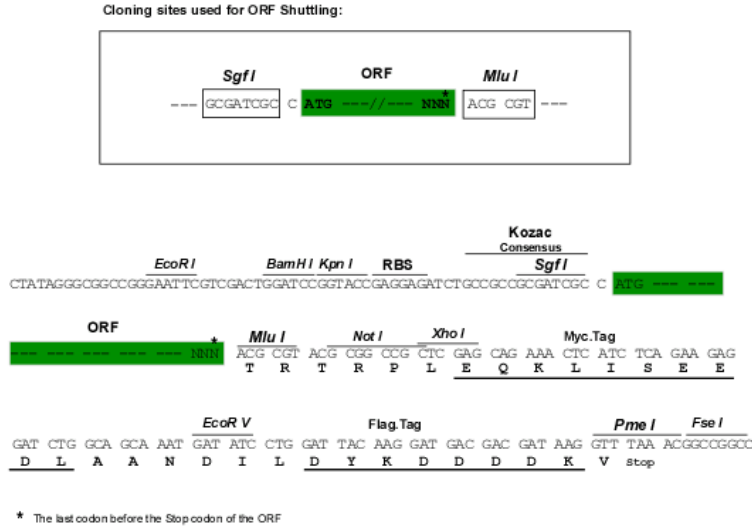
Protein Sequence: >VC101771 representing YP_656501
Red=Cloning sites Green=Tags

METLVDRFDVAVQDRLLGIYEAGRTDIDGQIVHWDLVRQEYVLLHYARKNGISNLGIQKVPSLATSESKAK
 QAILMGIVLKSLKNSAFGNEQWTLTDTSYELFMTPPSHTFKKQGKTIEVWYGNEDNAVPTLWTAIYYQ
 DAQDNWYKARGQVSADGLYYIDWEGNKHFYVRF ADEATQFDAANEWQV RTESEIISNSVTSTPPRSDPRP
 TGSSAITYETSRHDTRRRTRRSTKRPRPSPSPSATSDTPGHHTSRRIQQRKHKHSQRPRWGSESPIQ
 SPSSVGGQHRLPNRHYSRLARLQDEARDPPVILIKGPANTTKCWRYRMKQNYRALFESISTAFSWVGDR
 GSDRVGCSRVLVAFRNNRQRERFLHTVKLPGKTQFSFGNLESL

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NC_008189

ORF Size: 1179 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_008189.1, YP_656501](#)

RefSeq ORF: 1179 bp

Locus ID: 5177021

MW: 45.1 kDa