

Product datasheet for **VC101546**

U2 (NC_001716) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	U2 (NC_001716) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	U2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC101546 represents NCBI reference of YP_073746 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCTGACTCTCCCCTCCTGGATAGCGGTGTGGAGACTGCCGTAGAATCCAACGCAAGTAATGGCCTGT
TCAATCTGGAAAGCAATACAGTCGAGAGTCCCCTGCCGAAGTGTACTGGACCACCTTCTGCAGAGCTT
TGCGCGGAGACTGTTAGCTTCGGCGATGTGGCGCATTTTGTCTTCAGTACGCCATCACCGGCTGCCA
CTTGTCTGGCCCTCAGGCGCCGAGCTCAGTTTTGCTTCCAGAAATGCTTGGCATCTCGAGGATGAGG
TCTGTAAACTCACCCGAAATTCGTCTGCTGTCCCTTCGTTGAGGTATGGGTGATCGGCCTCGTGTGTA
TTCTGATCTGTACGCCCTCATGCTGATCGGTGATAGAGGCGAGTTCTATGCATTCAACCGCTCTGTAGAC
AACGCTATTTACCGCGTGGCAGATACTCCTATGGACTGTGGAAGCGCGCCTGCGGCGCTTTGACCCAG
TCTACGCCTTCTTTGAATCTATAGTTTCCGGTGGGTTTTTTTTTGGCCCATGTGTGGTGTGAGGACGT
GCTGAATTCGCTGTGGCTTTTGATAAGGCTCTTGTCCACTGCCATGGCCAAAAGGAGTTCTTTTTGAG
TTTTCAGTTCAGAAGACCACGGGGAGCGCTGGCGCTTTATCCCTCGAAGGGGGTTGCCGTTGTTATCG
GAAAATTCGTTGGGAGATGTCTGGGAAGGGCTTGCTGCGGAAGCAAAGGTTACTGATGGATCGGCTGGG
CGCTGTGTATGCACTTGACGTGAGGGGAGGGCGGTAGTGAATCTCGCTTGTAGCTTTCCGCTCTTCTG
GCAATGGGAGCCAGACGGCTCTTCAAGAACTATAGGTTCCCTGATCGCAATGCCTGGGCAATGCAGCTGC
CAGTTACCTGTATCCATGTGCCAGTGGTTCAGCTGCCTCGCGAGTACAGTCTGTGTCCATCAGCCTTGGA
AGCATACAGGGACACAGAACTGAGCCCCGATACCTGTCCGACTGTGCTGCTTCAGAGGCGCTTCAGAG
GAACTCAGGAATTATGAAATTCTGTTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

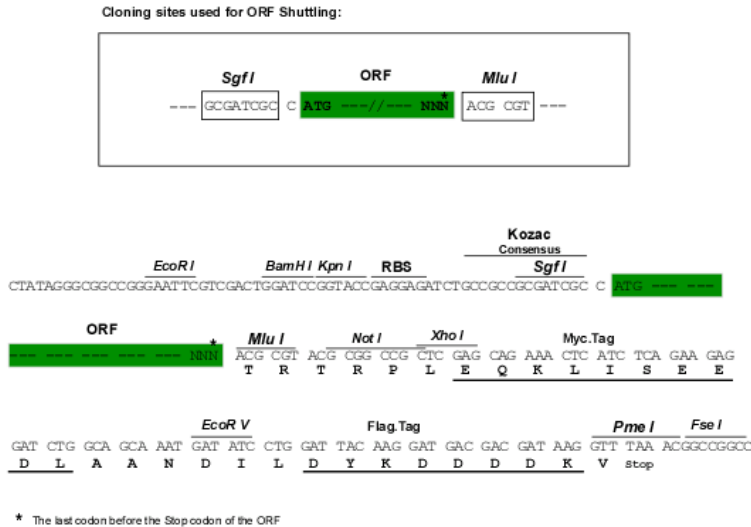
Protein Sequence: >VC101546 representing YP_073746
Red=Cloning sites Green=Tags

MSDSPLLD SGVETAVESNASNGLFNLESNTVESPVPEVYWTTF LQSFAAETVSFGDVAHFVLQYAHHRLP
 LVWPSGAELRFASSEMBLGI SEDEVCKL TRNFVCCPFVEVWVIGL VLYSDL SALML IGDRGEFYAFNRSVD
 NAIYRVADTPYGLWKRGLRRFDPVYAFFESIVSGGFFFGPMCGVEDV LNF AVAFDKALVPLPWPVKGVLF
 FSVPEDHGERWRFIPRRGVAVVIGK FVGRCLGRGLLRKQRV LMDRLGAVYALDVRGAVVNLACSFVFL
 AMGARRLFKNYRFPDRNAWMLPVT CIHVPV VQLPREYSLCPSALEAYRDELSPDTLSDLCCFRGASE
 ELRNYEILF

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NC_001716

ORF Size: 1077 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_001716.2](#), [YP_073746](#)

RefSeq ORF: 1077 bp

Locus ID: 3289464

MW: 40.4 kDa