

Product datasheet for **VC101362**

U14 (NC_001664) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	U14 (NC_001664) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	U14
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>The Viral ORF clone VC101362 represents NCBI reference of NP_042906 with codon optimized for human cell expression

Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTGACTCACGCTATGGAAGAGCCAAAGACTTTC AATATTCCTACATTCGTCCTGGACGAAAAC TGA
ACTTCATTCCCGAAGTTCTGTACGCGGCAATGCCAAGTACATTAAGGATGTTTTGATACAGGACTCATA
TAACACAGTCTGCCTCGCCAATCTTTCAACCAATGACCATCCAGACCGCCGAGCAGATAATGGTCATT
ATCACCAAATTTAAGTTTTCCGCGCGCGAGACCTGTTGAAAAGGTCCTTCGGCTTGGGGTACACATCA
ATCGCTTCTATGCCGGGAAAAAGCAAGTCAAGCATATGATCACAATGATGAAGTCACTGTTTGACACTGA
GGAGGCCATGAGACGATTGGATAGAGCTCTGATGGGACTGTTTGTGGACGCTCGCGGGTCTCTACATG
CCTCTGATCGCGCTCAGCTCCACGAAAATGGACTGCCCGATAGCAAGTTCACCAAGCGGTAAGCTCA
TCAACACCACACTTAATAGCTTCCACAATAGACCAGACCGGATATCGAACAGTATGCACAGAAGCTCCG
GGCATAACAATTACCTTTACAAGTACCTATTACTTTGAAAAGAAGCCGTGGACGCTATTCCGAGAAC
CTGAAAGACCTTAGCATTGGAGTGAATAAGAAGCCACCCTCTGTTACATCTCCGACGATGGATATC
TGTACATATCTTAATGACATGCTGTTCTTACATCAACATGGAATATGATCTACAATTGCAAGGTGCA
GATAAGGAGACTGACCACTTGGATCAAATATGAAATCACTCAATCGTGGAGGACTGCGTCTTGTGGT
TTCCAAC TGCCCGACCTGAAGGATACTATCCTGGACCTGGCTGCCCTGACGCTAACATGAACCTCGTGC
ACCCAGACAAGGACCTGTTTTCCCACTAAGCTTATCCTCGAGAAAAGTGTGAAATCAGCATCTTTGC
AACTAAAGCTAATATTTGCATACTGCCTACATTCATAAAGAGTCACTGATCGAATTTGAGGACGTGCTC
AAAAGGTCCAATGATGACGAGGACCTCACTACCTCCTTCTGAAGACAACGACTCCGATGACGATATG
ACGAAGATAAACTGCCAATCCAAGTCGATCCCGGAGGGTGGACAATGTACTGACCGATTCCAATTTTTT
TAATGTTACTGCTGATAATGCTTTTTCTCCATCGCTATCATGCCCATCAGCTACGACAAGATTATTGAC
GTGGAAGAAAATGTCATCCAGGCTCTGGAAGTCGAAATGCAATCTCTTAGCGCCGTAGTTTATGGAGCCG
TGGCTAACAAAGTATGGACTCAGCTTGCCCGAGGTAATTAAGCGCTGAACCAAAACGAGGGGCGGGCAAG
TAGCAGAGCTAGTTCTTCCACAGTACATCTACGATCCCTATAGTCTCCCGAGTCCGGACGGAGTACT
CCCACAAGCATCCTGAGACAACGCGCACCTATTCGCTCCAACCTCCGCTCCTCTAGCGTCAGCTTCTCTC
AAGACGATGACAACCGCTCTCACTATAGCGATGAGACCAACATCTCTGATTATTCCTACCCTATGGCTGA
TCTGGACCTGGAAGATGAGGAACCGATGGAGGACCATCCTCATAGCCACAATCCGCCAGTAGTAATAAC
TCCATGAGTCGAAGATCCAGGGCTCTTCAAGCAACAGAGGAGAAGAACCCCAACCATGGCCCCACCAT
CACCCGCCAGAGGCGAGAATAATGCCCGGTTGCGACGCCACCAGACGGAGCACCGAAACAATGACGA
ACGACTT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC101362 representing NP_042906

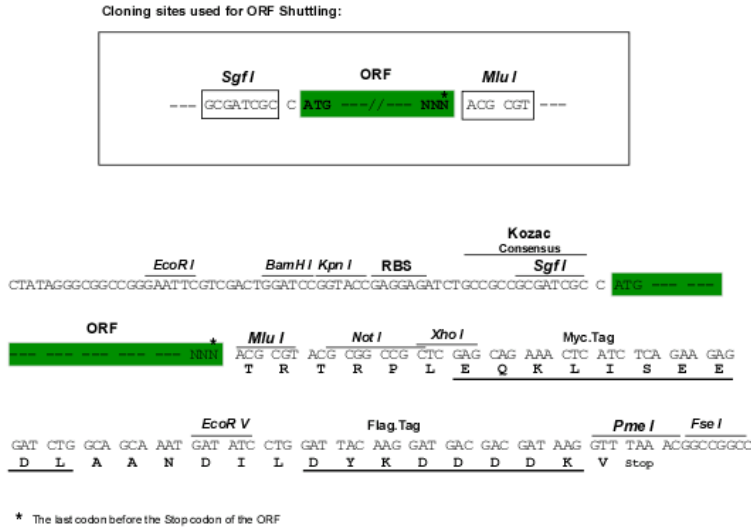
Red=Cloning sites Green=Tags

MVTHAMEEPKTFNIPTFVL DENCNFIPEVLSRANAKYIKDVL IQDSYNTVCLANSFIPMTIQTAEQIMVI
ITKFKFSRARDLFEKVLRLGVHINRFYAGKKQVKHMITMMKSLFDTEEMRRLDRALMGLFVDARGSSYM
PLIALSLHENGLPDSKFTKAVKLINTTLNSFHNRPDADIEQYAQLRAYNYLYKIPHYTLKEAVDVYSEN
LKDLSIGVNNKPTLLFTSSDDGYLSHIFNDMLFLTSTWNMIYNCKVQIRRLTTWIKYEINSIVEDCVLVG
FQLPDLKDTILDLAALTSNMNLVDPDKDLFSHYKLIKLEKFEISIFATKANICILPTFIKSHLIEFEDVL
KRSNDDLDLNYLLKSNDSDEYDEDKLP IQVDPGRVDNVL TDSNFFNVTADNAFSSIAIMPIISYDKIID
VEENVIQVLEVMQSLSAVYVGAVANKYGLSLPQVIKRLNQNEGRASSRSSHSTSTIPYSPQSGRST
PTSILRQRAPIRSNSRSSVSFSQDDDNRSYSHYDETNI SDYSYPMADLDLEDEEPMEDHPHSPQSASSNN
SMSRRSRALQNEQRRRTPTMAPPSPARGQNNARLRRRTRRSTETNDERL

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NC_001664

ORF Size: 1827 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_001664.2](#), [NP_042906](#)

RefSeq ORF: 1827 bp

Locus ID: 1487898

MW: 69.6 kDa