

Product datasheet for **VC101554**

U14 (NC_001716) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	U14 (NC_001716) 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 VC101554 represents NCBI reference of YP_073755 with codon optimized for human cell expression

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

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAACAGCAGAAGGGTTTCAGTATTCATTTTTGTGACCGATGAAAACGTGAATTTTTGTGCCGAGA
TTCTCCCAGGATCCACACAAAGTTTCTTAAGGATGTTCTTATCGCTGATTCTTACAACAGCGTCAGCTG
GGCTAACTCATTATCCCTATGCCATTGACACCTGGAACAAATCATGGTACTCATAACTAAGTTTAA
TTCTCCGAAGCCGCGATTTCTTGTCCAGTTATCCGGTTGGCTGTGCATATCAACCGTTTCACACAG
GGAAAAAGCAACTGAAAACAATGATCGAGATTATGAAGAGCCTTTTTAACACAGAGGAAGCAATGAGACG
CTTCGACGAGGCGCTGATGATACTGTTCTAATGAGCAAACACACGTACATGACCAACATCGCGCTG
TCTATGCATGAGAATGGACTGCCTGATTCAAAATTTATGAATGCACTGAAAATGATTTACCGCGCAGGTA
ATTCATTGACAACCGCTGACAACGATATCGAATCTTACAACGAGAACTCAAGATCTATAATTATCT
TATTAAGATACCTAAATATACACTCAAAGCCGGGTGGATCTCTATAACGAGAACATCAAAGATCTTTCA
ATCGGTATCCAGCGCCAGCCGACGCTGCTTTTTACTTCACGGAACGATTTTTCACTTAAAGCTATCTATA
ACGACGTGCTCTTCTGGTCAGTGCTTGGAAACATGATCATAAACTACAAAAGGAGCAACGACGGCTCTT
TTCTTGGATTACATTCGAAATCAACTCTCTGATGGAGAACGTCGCTCGCCGCTTTGAGCTGCCAGAT
TTGAAAGAAATGACGTTGGATCTGTCAGCTTGGATCGCCAACATGAACCTTTTGAACCCAAATGACGACT
ATCCCCGCACTTCAAATGATCATCAACAAGTTCTTTGAGATTGGAATCTTTGTTACAAAATCCTATAT
TTGATCCTGCCAGCTTTGTTAAGTCACACTGATCTCCTTCGAAAACGTCCTGTCATCCAACAGACAC
CCGGAAGATGTGACGTTTATCCTGACTAGTTCGAAAGAGTCCGACGACGAATATGACGAAGATAAACCAC
CCAGGCAGGTTGACCCTGACAGGGTCGATAAATTTCTCATGGAAAGCGATTTCTTTAACGTGAAGCCCGA
GAATGCCTTTTCTGAAATAGCACTGATGCCATCTCCATGACAAGATCATCGATGTGAACAACAGTAAT
ATTCAGGTATTGGAAACCGAACTGGCGCACACCAACCTTTTCGTGTAACCGCCATTGCCGAGAAGTACG
ATCTGCCCTTGAAGGAGTACGTTGAGCGATTGAATGTATATAATCCAGATCTGTCATCCGAAAACCTCAC
CCCTGCGAGAAATCCAACAGCATTAGGACCACGCGGTGCTTAATATCTCCAGACCCGGCTCAACAACC
CCTAGTGGCAATCCGCCAGATATGGCAATAATACTCCTCGGAGTATCACGCCTGTGCTCGAGATTAGTC
GCTCACGGAGCGCTACTCCATCTGGAACTCCGAAATATACGAGAATCGGACAAGCCCTACGTTCCGGGT
GTCTCGCAGCGCCACCCAATAGAAAGGAGCAGCAGGTCAGCAAGCATAATAAGCGGCGAGTCAGTGCC
GGTTCTTCAACGATCAAGAACGGCTGTCCACAATTCCTTATTAGTATTAACGGAAACACCCCGAGAC
AACAGTCCATGGGGACAACGAAATTCAGACCATTGATTCACCGACGAAGACAGCATGAATGCTCCACA
ATCTCCTCAGTCCATCTACAGTATCTCCTCATACGCTCTCCACAGACGATCAACTCCTCCACTCCCCTACT
AATAGTCCATTTAATCTGTTTCGATTCGGTCCGAGATGCAAGAAGACCCGAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >VC101554 representing YP_073755
Red=Cloning sites Green=Tags

MEQQKGF SIPFFVTDENCFVPEILPRIHTKFLKDVLIADSYNSVSWANSFIPMPIQTLEQIMVLITKFK
 FRSRDFLFPVIRLAVHINRFHTGKKQLKTMIEIMKSLFNTEEAMRRFDEALMILFSNEQNTYMTNIAL
 SMHENGLPDSKFMNALKMIYRAGNSFDNQPDNDIESYNEKLIKIYNYLIKIPKYTLKAGVDLYNENIKDLS
 IGIQRQPTLLFTSRNDFSLKAIYNDVFLVSAWNMIINYKKEQRRLF SWITFEINSLMENVVLAALQPLD
 LKEMTLDSLAIANMNLKPNDDYSPHFKLIINKFFEIGIFVTKSYICILPSFVKSQLISFENVLSSNRH
 AEDVTFILTSSKESDDEYDEDKPPRQVDPDRVDNILMESDFFNVKPENAFSEIALMPISHDKIIDVNNNSN
 IQVLETELAHTNLFVYSIAIAQKYDLPLKEYVERLNVYNPDLSSGNSTPARNSNSIRTPVLNISRPGSTT
 PSGNSARYGNTPRSITPVLEISRSRSATPSGNSIYENRTSPTFRVRSRATPIERSSRSASIIIGESVP
 GFFNDQERLSTNSPISINGNTPRQQSHGDNEIQTIDSTDEDSMNAPQSPQSIYSISSYVSTDDQLLHSP
 NSPFNLFDSVSEMQEDTE

TRRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NC_001716

ORF Size: 1944 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_073755](#)

RefSeq ORF: 1944 bp

Locus ID: 3289473

MW: 73.9 kDa