

Product datasheet for **VC101456**

U14 (NC_000898) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	U14 (NC_000898) 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 VC101456 represents NCBI reference of NP_050195 with codon optimized for human cell expression
Red=Cloning site **Blue**=ORF **Green**=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGATCACCCACGCTATGGAGGGCTCAAAAACATTTAACATCCCGACTTTTGTGCTTGATGAGAAGTCA
 ACTTTATCCCAGATGTCCTGTCCCGAGCTAATGCTAAGTTCATCAAAGAGGTCTTATACGGGATAGCTA
 CAACGCGCTGTCTCGCAAACCTTTTTATTCCCATGGCCACGCAGACTGTGGAGCAGATCTTGATCATC
 ATTACTAAGTTCAAGTTCTCCCGAGCCGCGACCTTCTGATGAGCGTATTTAGGCTTGGTGTGCATATCA
 ATAGATTTTACGCGGGCAAAAACCAAGTTAAGCACATGATCACAATGATGAAATCCCTCTTCGATACGGA
 GGAAGCCATGAGGCAACTCGATCGGGCATTGATGGGCTGTTCTGGATGCTAGAGATAATCTTATATG
 CCGCTGATCGACTCTCTTTCACGAGAACGGCTTCCCGATAGCAAGTTTATCAAGCGGTGCGACTGA
 TTCAGACTACCGTGAACAGTTTTACAATCGCCCGATGCCGACATAGAGCAGTATGCCGAGAAGCTCCG
 CCGGTACAATTACCTGTATAAGATCCCCAAATATTCTCTCAAGGAGGCTGTGGATATATATTCTGATAAT
 CTGAAGGATCTGACGATTGGAGTGAATAAGAAGCCAACACTGCTGTTACCAGCTCCGACGATGCTTATC
 TCTCTACATATAACAATGACCTCCTTTTTCTGACCTCCACCTGGAATATGATCTATAACTGCAAAAAAGA
 AATTAGGCGATTGAATACCTGGATCAAGTACGAGATCAACTCCATTATGGAGACCGCCGCTCTTGTTGGGA
 TTTTCCAGCTGCCAGATCTGAAGGAAACCTCCTTGATCTCGCCGCGTTGATCTTAACATGAATCTTGTT
 CTCCTGATAAGGAACTTTCCCGCACTATAAATCATTGTTGGCCAAGCTTTTCGAGATCTGTATCTTCGC
 TACCAAGGCCAACATTTGTATATTGCCCTCCTTCATCAAGGACATTTGATCGAGTTCGAAGATGTGCTC
 AAGCGGAGCAATGATGACGAGGACCTGAATTACTTGTCTGAAGAGTAGAGACAGCGACGACGAGTATG
 ACGAAGATAAACCCCGATTTCAGGTAGACCCAGGGCGCGTGGACAATGTCCTTACAGATTCTGACTTCTT
 TAACGTAACCCCTGAGAATGCATTTCAGTTCATTGCCATTATGCCTATTAGCTACGACAAGACTATCGAT
 GTGGAAGACAACGAGATCCAGGTTTTGGAGGTGGAGATGCAATCCCTCAGCGCCGTGGTGTACGGGGCAG
 TGGCCTCTAAGTACGGACTCAGCCTGGAGCAGGTATTGAAAGCTGAACCGCAATGAAGGGAGGACCAG
 CTCTCGGGCGAGCCCTCCACAGCACCTCCACAGTACCGTATAGTCCACCTCAATCCGATAGATCAACT
 CCAACTCCATCCTCCGGCAACGGTCCCATGAGAAGTAACTCTCGATCTAGTTCTGTGAGTTTCTCAC
 AGGAAGACTCAAATAGGAGCCATTACTCAGATGAAACGAATATTCAGATTACAGCTACCAATGGCCGA
 CCTGGAGCTGGAGGATGAGGAGCAATGGAAGATCATCCTCACTCCCGCAATCAACGCTCTCAACAAC
 TCCATGAGCAGACAATCCAGGGCACTTCAAATGGCCAACGGCGACGGGCTCCAACAATGGTTCCATCCT
 CTCAGACTAGGAGACAGAACAACGCAAGACCGAGACGGGTCGCTCGCAGGCTGACCGAGATGATGAATGA
 CGCTAGGCTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

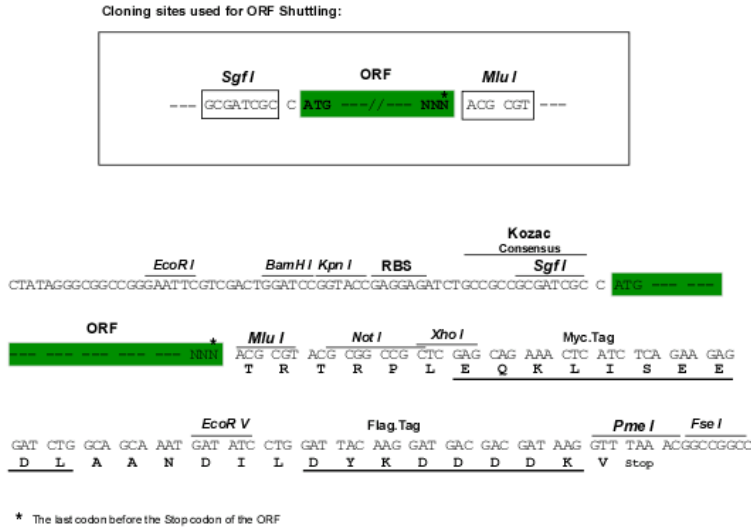
>VC101456 representing NP_050195
Red=Cloning sites **Green**=Tags

MITHAMEGSKTFNIPTFVLDENCFIPDVLSRANAKFIKEVLIRDSYNAVCLANSFIPMATQTVEQILII
 ITKFKFSRDLMSVFRGLGVHINRFYAGKNQVKHMITMMKSLFDTEAMRQLDRALMGLFVDARDNSYM
 PLIALSLHENGLPDSKFIKAVRLIQTTVNSFHNRPDADIEQYAEKLRAYNYLYKIPKYSLEAVDIYSDN
 LKDLTIGVNNKPTLLFTSSDDAYLSHIYNDLLFLTSTWNMIYNCKEIRRLNTWIKYEINSIMETAFLVG
 FQLPDLKETILDLAALISNMNLVSPDKELFPHYKLILAKLFEICIFATKANICILPSFIKGLIEFEDVL
 KRSNDEDLNYLLLSRSDSDEYDEDKPPIQVDPGRVDNVLTDSDFFNVTPEAFSSIAIMPISYDKTID
 VEDNEIQVLEVEVMQSLSAVYVYAVASKYGLSLEQVIRKLNREGRSSRASPSHSTSTVPYSPQSDRST
 PTSILRQRPMSNSRSSVSFSQEDSNRSHYDETNIISDYSYPMADLELEDEEPMEDHPHSPQSTSSNN
 SMSRQSRALQNGQRRRAPTMVPSQTRRQNNARPRRVARRLTEMMNDARL

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NC_000898

ORF Size: 1830 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_000898.1](#), [NP_050195](#)

RefSeq ORF: 1830 bp

Locus ID: 1497013

MW: 69.8 kDa