

Product datasheet for **VC101205**

UL14 (NC_006273) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	UL14 (NC_006273) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	UL14
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC101205 represents NCBI reference of YP_081473 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGAGGGGAAGACTGCCACCCTTGTGGCTGCCCTGTTGATAGCCTGGTCCGAGTGGGGCAACTGTT
GCCTGGATGCCCCCAGTAGTGAGAAGCCCTTGCTCCAGCCAGTAAGAGATAGGAACAGGGAGCGCAA
TCCCGCTCCCCGAGCTTCTCCCTATGGCGATAGGCTGGAAGTCGCCTGTATATCCCCGCTCATGAT
TGGCCCGAGGTGTCAATCAGGGTGCACCTGTGTTACTGGCCCGAAATCGTTAGATCACTTGTCTGGATG
CTCGCAGCGGCCAGGTGCTTCAACACGACGCTTCATGCTACATTGCTGGCGGACGCTGGCGCTTCAAGA
CGGGGAGCAGCACAGCGCTGTCACTTAGTTCCGACTTATCACCGAGACAGCTGGAACCTATACTTGC
GTCCTGGGAAATGAAACTCATAGTCTTGCTACAGAAACCACCGCACTGGTGGCTGATGTTACGACCTCA
GGCACTCAGACAGATCTTGCACCTTGCCTTCGGCAGTCGCTCTCAGACGAGGTATCTTTGGACGCCGA
CCCCTCTCGACTGAGATCAATAAACTGTGGTGGGAAGGAGAGACACAGGGTGGTTCATATATCCCT
GGGACTAGTGGGCTCTTGCCATCTGCGAAGAAGACGAGAGGGAGCTCTGTGTCCGTTTCATATCCCAA
GTATAGCCGACAACAATTGCTCCCGCGACATCGGGTTGACGGCGCGCCCGGATATCATCTCAGAAG
GGACTACTGGCTGACTGACCCGAAAATTGGCTGCTGGCTGCCGTTCCGTTGCACTTACTTCTCTGTGC
CATCTCTGTGCTATTGGTGCTCTGAGTCTATAGGCGGTTGAACACAGAGGAAGAGAATGAGGCAGCAG
AAGAAACCGCAGCTGGGGAGGCAAGCGCTGTCGGCGCCCGCTGTGTCCGAGGGAACACAGAGAGA
G

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >VC101205 representing YP_081473
 Red=Cloning sites Green=Tags

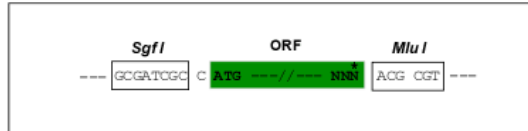
MGGGRLPPLWPLLLIAWSEWGNCCLDAPPVVRSPCLQPVRDRNRERNPGSPQLLPYGDRLEVACIFPAHD
 WPEVSIRVHLCYWEIVRSLVVDARSGQVLHNDASCYIAGGRWFEDGGAAQRLSLSFRLITETAGTYTC
 VLGNETHSLATETALVADVHDLRHSRSCDLAFGSRSQTRYLWTPDPSRLRSINCGWEGERHRVVHYIP
 GTSGLLPSCCEEDERELCVPFISQSIADNNCSRHRVDGARRRYHLRRDYWLTDPKIGLLAAGSVALTSLC
 HLLCYWCSESYRRLNTEEENEAEEETAAGEASAVAAAAVSEEEQQR

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NC_006273

ORF Size: 981 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_006273.2, YP_081473](#)
RefSeq ORF: 981 bp
Locus ID: 3077543
MW: 36.7 kDa