

## Product datasheet for **VC101448**

### U3 (NC\_000898) Virus Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	U3 (NC_000898) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	U3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC101448 represents NCBI reference of NP_050185 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGAGACCACCAATCCAGACGGGTGTCTTCCGCCAAAGACAGATACTGGCCACCGCCACAGTACGCT  
TTATTGAAGGCCCTGCACGAGCCAGCACAGGACTCCATGATGTGCGGCGACGACGAGTTGCAGTCACAGGA  
ACGCATGAAGAAAAGGCAACGGCTGTATAATAAGAGCAAAAGAGATCTGGTGGACCTTCTCCGGGTGAT  
ACATGTCTTAACCTGTGAGAATGTTACATTTGTGAATTCGGTCCGAGGATTCCGCTTGCCTGGCCTG  
AGGGATACGAACCTCGTGATCAATAATTGCCGCGATGAGAACGAGTACGCAGATGAAAAGCTGGGTGAGCT  
GGCAGACTTGGTATGTTGCAGGGAGCGCCTGGTGGTCTGGGATATGTAAGAAGAGAGGAGAAATCGGG  
TCCGAGCCAGCATACTGGTTTCTGAAGGGGGACATCGTCGTGCTGCTGGAGGAGCCGGAAGGGTCTATG  
CGCACACATGGCTGTTGCCTCAACAGCTTTCAGAGTTGGCGACACTATTGATGATTTTTGCGGAAGGG  
TCTTAAACGATTTTACTACGCCATCAGCTGGTGAGTAGTCTGCAGTTCGTGGTGGAGGATACAGAGTT  
GATGGGGTCTGCTCCTGTGCGATGTGCTCTGTTTTAGAGACAGGCATATTGGACGGTCTTTGCCCTCA  
GATGGCCTAAGAACGAAACCCTGCTTTCCACCGAGGAGAGATTCATTTGTGTTGTTAGATGTGATGA  
AGCAAGGAGGAGATTGGCTGAGATGTGCTCTTTGGGAGCTTCGGATACAAATATTTCCGGATGCCGT  
CGGATAAGCCTGTATGTTGCTGACGATGGAAGGATCTTTGGATCAATGACAACGACGAAGATGGAAGAC  
CCAGGTTTGTGGCAGAGAACTTTTCAGCAGTTCCGAAGGATAGGAGTTATACAGTACTACAAGTCTACGT  
GTTTAGGAGAGAGCAGCCGAATGGCATTGCTGCCACCTGTCTCAGCAGAATGTTCTATCAGAAG  
ACTTGGAGACAAGCCGATGAGGATCTGCTTTTCGTAAGGCAAGGAATGATGAAAGACAAGAGTTCCCGG  
ACGCTGGAACACGCTCTGCTGTTACGACGTAGTCCGC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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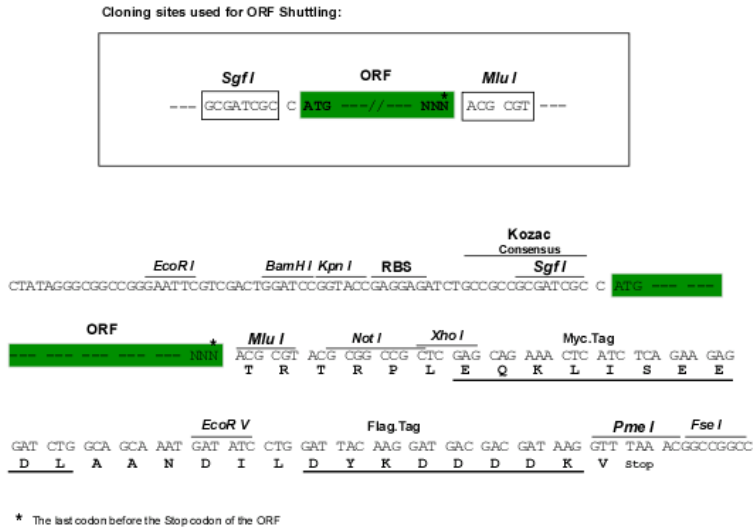
**Protein Sequence:** >VC101448 representing NP\_050185  
Red=Cloning sites Green=Tags

METTNSRRVSSAQRQILATATVRFIEGLHEPAQDSMMCGDDELQSQERMKKRQRLYNKSKRDLDLLRVY  
 TCLNSVRMFTFVNFGRRIPAWPEGYELVINNCRDENEYADEKLGELADLVCCRERLVVLGYVKKRGEIG  
 SEPAYWFLKGDIVVLLGGAGRVYAHTWLLPQQLCRVGDIDDFLRKGLKRFYYAHQLVSSSLQFVVEDTEV  
 DGVCSCRDLVLCFRDRHIGRSFALRWPKNETLLFHRRRDSFVFRVRCDEARRRLAEMCFFGSFGYKYFADAG  
 RISLYVADDGRIFGFNDNDEGRPRFVAENFQQFRRIGVIQYYKSYVFRREQPEWALLPTCHLSRMFYQK  
 TWRQADEDLLFVKARNDERQEFDPAGTRSAVHDVVR

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NC\_000898

**ORF Size:** 1158 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\\_050185](#)

**RefSeq ORF:** 1158 bp

**Locus ID:** 1497006

**MW:** 45.4 kDa