

## Product datasheet for **VC101381**

### **U33 (NC\_001664) Virus Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	U33 (NC_001664) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	U33
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>The Viral ORF clone VC101381 represents NCBI reference of NP\_042926 with codon optimized for human cell expression  
 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGTTCTACCTGAAGAACTTCTGAGACAGCTCCTGGCACCCCTTGTGTAACACGGTTCTTACACCCACC  
 TGCAACTGTTTGTATGGGAGAGGCCTGCGTCCCCGGCAAATGCGTACTGACTATGTTTCTGACCAATAA  
 AAAGTTCTTGAATAAGGAGGTAACAGAGAAGTTCTATAACGAGTTTTTCGCAATCTGGCTGAGATGTCGG  
 CCTGAGACTCGCCTGATCACAAAAGGCTGTCAACAAAATGGTATGACCAAGGGCCTCTTCGTCTGC  
 TTGCTACCTTTACTTTGTACCGGCAGTGTAAAGTTTTGGAAGTCTGCTCACTGTACAAGTTGAAAAC  
 CATTAAATGGGTGGACGTGGAGACAAGATTCAGGGTTTATCCCCGTACAACTCAACAACTCCTGGAG  
 ATGCCAGCTTTAGCGAGATCAACGAATCCACATGTTTCTGTTGAGCAACAGCTTTGCTGCCAATCC  
 CTACCCACGTGAACCTTCCTTGTATGCGGCTGTTCTGTCTCAGGGACTACGAGCAGACCGAGACTGTGAT  
 GCTCCGATATCGGCAGCGGGAGCAGTGTGAGTTTTCCAGTATGCTGAGGAAATACGCCCTTAAGTCA  
 CCAGCCGGGAATTTATGTTTACAATGGCGAAAGCCCTCGTCGAGAACTTTTGTCTCAGCCGACAGGT  
 ATCTGATCCCGGTGGAGCATAATAATCTTGTGCCGATGGTCCATCCAAGCCAGAGCGCGGGGATTTCCC  
 AAAGATACTGACATTTGCGTTGGCCACATCTCTGAAGGATGGGCTGGCCACTAGCGTTATTAGTCTGCCG  
 GTTATGTGTTATTGCAAGACGAAGTGTCAAGATTCATTCTGGAGGAAAGCTACATATGCGTAATCTGCG  
 CGAAATGCGGACATTGTTGAAATAGCGGCAAGGAGAAGCTGTGTAGTCCCCAAGGGTTTTACTGTCTAG  
 TATGTTTTATTTAGGGATAAGCAGGAAAAGAATCTGATATATCAATGCACACTGACGTGATGTATTGC  
 TCCCTTTGCGGTAGCCAGCAGCTCGTATTCGAGCGGATTTATGAGATGAGTGAGCATTGCGTCTCGGGA  
 TGAAAGTCAAAACAGTCAGCTGGAAAGCCGTCATTGGAACAACTCCGCCTGTACAATATTGAATGATAA  
 CGTTAAGTTCGATGTAATTGTGCCTGTTCTTGTGCAAGTTGTTACAGCAGCAGTCCATCTCTACAATGTT  
 ACAGTGAAGAAGCTCCTGCGGCTCGTATCTCACGGATCTGATTTTCAGTGTGAGCGGTGTCAGCACTCCT  
 TCCGGGAGACATGCCTCGATCTCGAAGATTGTGTTAACATCTGTGAGGGTTGCCAGATTTCTCAGAACGT  
 TAGGTGCATC

**ACGCGT**ACGCGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>VC101381 representing NP\_042926  
 Red=Cloning sites Green=Tags

MFYLKLLRQLLAPLCKHGSYTHLQLFVMGEACVPGKCVLTMFLTNKKFLNKEVTEKFYNEFFAIWLRRCR  
 PETRLITKRLFNKMVMTKGLFVLLAYLYFVYRQCKVLELLSLYKLTIKWVDVETRFRVYPPYKLNKLE  
 MPSFSEINELHMFLFEQQLLPITPHVNLPCMRLFCLRDYEQTETVMLRYRQREHVSFPSMLRKYALKS  
 PAGNFMFTMAKALVENFCFSADRYLIPVEHNNLVPMVPSKPERGDFPKILTFALATSLKDGLATSVISLP  
 VMCYCKTKSRFIEESYICVICAKCGHCLNSGKEKLCSPQGFSLSSMFYFRDKQEKNLIYSMHTDVMYC  
 SLCGSQQLVFERIYEMSEHCVLGMVKTVSWKAVIGTNSACTILNDNVKFDVIVPSCSRSCYSTVHLYNV  
 TVYKLLRLVSHGSDFCQRCQHSFRETCLDLEDCVNICQGCQISQNVRCI

**TR**TRRLE**QKL**ISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**

**ACCN:** NC\_001664

**ORF Size:** 1410 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\\_042926](#)
**RefSeq ORF:** 1410 bp

**Locus ID:** 1487910

**MW:** 54.7 kDa