

## Product datasheet for **VC101572**

### U33 (NC\_001716) Virus Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	U33 (NC_001716) 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 VC101572 represents NCBI reference of YP\_073773 with codon optimized for human cell expression  
 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTCCAGCTTGC~~AAATTT~~GCTGTGCCGCTTGATCAGCCCACTGTGTAACACGGGAGTTATCCACC  
 TTCAACTCTTTCTATCGCGGATGTGAGCAAATCAGAAAATTGTGTGCTCTCTATGTTTGTCCAAACAA  
 GAAATTTCTTAGCAAGGATCTGACCGATAACTTTTATAGAAAAGTTTCTCAAAGTGTGGTGAAATGCGAC  
 CTGGACAGTAGAAACCAGATCAAAGCAATATTTAACAAGATGATGATGACCAAGAAGCTTTTTCTGCTTC  
 TGGCTTACCTGTACTTCTGTATCGCCAGTGCAAAGTGTCAAATCTTGGCCCTCTATAAAATCCAGAG  
 ACTGACATGGAAGCAGATAGTGGAGAGTTCAAGCAGTATCCTATCCACAACTGAATCAGCTGCTTGAG  
 ATCCCAAGTTTCGTCTCATTTAACGACCTTTTACTACTTGTTTCAGCAGCAGTTGATGCTCCCGATTA  
 GTACTCACTGCAATATCCCATGTATGAAGCTTTTTGCCTGAGGAATTTTGAACAGTGTAAACGACATCAC  
 CCTGCGGTATGCTCATCGGGCTTCAAACCTGACCTACCAAGATATATTTACGGGTGTAGCTGACAGTG  
 CCATGTGGAAACTTCATCTTTGCTATGGCCATGGCTATGATTGAGAATTATTGTTATAGTTTCGATAGGT  
 TTCTCATCCCCTGAAAAACAATAATCTGGTACCTATTGTCTCAACAAACAGGAAAAGCACCAGTTGCC  
 GAAGATCTGACTTTTCGATTGACCACCGTATTGAAAAGGAGCCCTGACCTCCAGCATCATCTCCCTTCT  
 GTCCTTTGCTTCTGAAAAACAAAGTGCCTCAGGTACGCCAAGATCGACTCCTACTTGACTGTCATATGTA  
 GCAATGTGGCCATTGTCTGAACAGTGGCAAGGAGAGACTGAAAGGGAACAGACTTTCTTTTGTCTAG  
 CATGTTTTACTATAGGGACAGGCAGGAAAAGAACATTATCTATAGCATGCACACCGATCTGCTTTATTGC  
 TCACTGTGCGGAGGTGAGAGGCTGACATTGGAGAAAGTCTACGAGTTGTACGAGTACTCCGTTTCAGGGA  
 TCCAAGTCAAGTCCGCTCTCCTGGAAGGCCATTATTGGCACTAACTCTGTTGACTATCCTGAATGACAG  
 CGTCAAATTCGATGCTATTGTTGCTGCTTGTAGAAGTGGTACTCCATGATCCATTTGCAAAACCTC  
 ACCATCAACAACTGTTGAAGTTGATCAGCCATTCAACTGAATTTCAATGCCAAGACTGCCAGAACATTT  
 ACCGCGAAACATGCCTGGACTTGGAAAGATTGCGCGGAAATTTGCACTGGATGTAAGATCTCACAGCTCG  
 AAAATGTACACAGCATGGTTGTGACACATGG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>VC101572 representing YP\_073773  
 Red=Cloning sites Green=Tags

MSSLRNLLCRLISPLCKHGSYSHLQLFLIGDVSKESENCVLSMFVTNKKFLSKDLTDFYRKFLLKVLKCD  
 LDSRNQIKAI FNKMMTKNFFLLAYLYFLYRQCKVLKILALYKIQRLTWKQIVERFKQYPIHKLNLLE  
 IPSFVSFNDLYYLFQQQLMLPISTHCNIPCMKLFCLRNFEQCNDITLRYAHRASNLTYQDIFHGCSLTV  
 PCGNFIFAMAMAMIENYCYSFDRFLIPLNNNLVPIVLNKQEKHQLPKILTFALTTVLKRSLTSSIIISLP  
 VLCFCKTKCLRYAKIDSYLTVICSKCGHCLNSGKERLKGKQTFSLSSMFYRDRQEKNI IYSMHTDLLYC  
 SLCGGQRLTLEKYYELYEYSVSGIQVKSVSWKAIIGTNSACTILNDSVKFDAIVACSCRTCYSMIHLQNL  
 TINKLLKLI SHSTEFQCQDCQNIYRETCLDLEDCEICTGCKISQLAKCTQHGCDTW

**TR**TRRLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NC\_001716

**ORF Size:** 1431 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\\_073773](#)
**RefSeq ORF:** 1431 bp

**Locus ID:** 3289491

**MW:** 55.5 kDa