

## Product datasheet for **VC101601**

### U59 (NC\_001716) Virus Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	U59 (NC_001716) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	U59
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC101601 represents NCBI reference of YP_073801 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGACAGCGAAGCAGATTTTTCTGTATGGAAAGATTGCACACTGTACGTGAATAACGAAACCGCCACGG  
TGCATGAAATCCTCAACTCAGACCTGAGCGAGCTGTTGCAGTTGAAGACAGAGTTCGTGAGCATGACCGA  
TCTCTGTGTACATTACCGGTTGCATCAACCAGAACATTTCCAGTATCACAATCTACTGGCATGCCTAC  
AGTGAGGTGATATATGCCCTGACTGGCATCATACTGCGAGAAGATCTCTATTGAGTGGCGCATCAAAA  
GCACAGATAATAACATTCTCTACGAGAAGCCAAAGTTGTTTTTGTGCGGAAAACTGGCCCAACTGA  
GCTGAGATGGAAGAGCCTCATCAAGACTAAGACCATAAAATCTGCTCTGTCCCGAATCAGAATGAGATT  
TTTCTAAAATCGCACACAAACCGTCTATTCTGTTGGAGATTGAGGAGGCCACCCAGGTTCAAGGAGATGG  
TGTCTTGATATGGAACTTGTGGCAGAAGAAGCCACCATCACATCAAAATCCGAAAACGATATAGTGAA  
GACTTGCAAGAAGCTCGCCGAGAGCCAACGCTACACCCTGACAAATGGTACCGTACTTCAGATTTTATT  
CTGGTCCACGCCTGCCTTTCAAACCTGGGGCTGTAACCTTTGGGAAGAAATGAACGGCAAACCTGCGGC  
AGAGACCCGAGCTGATGTCAAAAAGCTTACCGGCCACGAGGAATGCTTTTACAACCTGCTACTACCTTTG  
CACCTCTTGAACAGCATTACTCATATAAAACCTGCTGCCAGAAATCGTGGATAACACCCGGAGCATT  
CATGTCGTGGTCAAGGCCTATTATAGCGAACACATTGATGTGAGCTACAAAATCTTGTGCATACAGCACA  
ACATGATGAATCTGTTACGCCAGTACCTCAACTTACTGATCTCCTGCCATATATTAACAAGCATATCAA  
AATCGATGTCAGCGCTTCCAACAGGACATGATCAAGTTCCTCAATGCATGCTTGGGACTG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >VC101601 representing YP\_073801  
 Red=Cloning sites Green=Tags

MTAKQIFPVWKDCTLYVNNETATVHEILNSDSELLQLKTEFVSMTDLVCVYITGCINQNISSITIIYWHAY  
 SEVIYALTGIIHCEKISIECGIKSTDNNILYEKPKLFLRENLAPELRWKSLIKTKIKSALSPNQNEI  
 FPKIAHKPSILLEIEEAPRFKEMVSCIWKLVAEEATITSKSENDIVKTCKKLAESQRYTLNNGTVLQNF  
 LVHAFLFKLGAVNFWEEEMNGKLRQPELMSKSFTHGEECFYNCYLCTLLNSIYSYKTLLEIVDNRISI  
 HVVVKAYYSEHIDVSYKILSYSTNMNLF SQYLNFTDLLPYINKHIKIDVSASKQDMIKFLNACLGL

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\_001716

**ORF Size:** 1041 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\_073801  
RefSeq ORF: 1041 bp  
Locus ID: 3289519  
MW: 40.0 kDa