

## Product datasheet for **VC101500**

### U59 (NC\_000898) Virus Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	U59 (NC_000898) 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 VC101500 represents NCBI reference of NP_050240 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAACGTGCCGATGGCCGACGAATGGTTTGACTGTGCAATCCGACTCGACAGCGAAACAATTGCTGTTC  
ACGAGATCTTTAATTCGGACCTTAGCAAACCTGCTGAACCTTCACAGCAAAACCGTATACATGAGCGATCT  
TTGTGCCCTCATCTCAGGCTGCGTGAATAGGAATGTCGGCAAACCTACAATTTACTGGCAGTATATGCC  
GATATTATCTACGCCTTGACTGGGATCCTGCACGTGTGAAAAATCACCATTTAGTGTGGCGAGCGCATCG  
CTGATGGTCGGTATAGGCTTTACGAAATCCAAAACCTGTTCTTGATGAGAGGGCAGAGTACACCCCTGGA  
GCTGAAATGGAACACGCCGTAGGGATTGCCACGACTAACAAGCCAATTCTGACCCACGTTCTTACCGAC  
GTGCTCGAAACGTCTCCCTTCACACTGCCTGATACACTCCTCTCAGTGCAGGAACTGAGCATCTTCAGAG  
AACGCCTGTCTACATTTACTACGTCTGGGTCTGGACGTAGATATAGTTGCTCGCACCGAGCGCGAGAT  
TTTTAGAAATGCGCTGAACTGGCCCGCTGCAGCAAGTGTTCCTGATACAGGAAACATCATGGAGAAT  
TTCGTCCTTGTTCAAGCCTGTCTGTTTCAACTGGCGCTGACGGTCTCTGGGAAGAGATGTCTGGCTCTG  
TACGGCCAGACCTGAGTTGATGAGCAGCGCTTTTATACAGCACCGGGTTATGGTGAACAATTGTTACTG  
CCTGGCCGTAATATTCAACGCCATTTACAAGCACAAAGTCAGCTTGCCGACTGTTGAGCGGTCCCACGAG  
ATTGTCCATCGAGTGGTCAAGAATACTACAAGAGCTATGTTAACGCCCCCTTTTCAGTCCTTGTGTTG  
CCACTAAAGTCCTTACCCTCTTTACCGAGGAGTACAACCTTCAGAGTGCCTTGTGTTTGTGAGTCAATT  
TTTCCAAGTTGATGTCGAAGCCAGTAGGGCCGACGTCATCAGGCTCTTTCTGGCATGCTTAAAGGCGAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >VC101500 representing NP\_050240  
 Red=Cloning sites Green=Tags

MNVPMADWFDCAIRLDSETIIVHEIFNNDL SKLLNLH SKTVYMSDLCAFISGCVNRRVNGKLTIIYWHVYG  
 DIIYAL TGILHCVKITIECGERIA DGRYRLYEIPKFLMRGQSTPLELKWKHAVGIATTNKPLLTHVLT D  
 VLETSPF TLPD TLLSVQEL SIFRERLSYIYYVLGLDVIDIVARTEREIFQKCAELARLQQVFLIQGNIMEN  
 FVLVQACLFQLGADGLWEEMSGSVRPRPELMSSAFIQHRVMVNNCYCLAVIFNAIYKHKVSLPTVERSHE  
 IVHRVVQEYYKSYVNAPLSVLVCATKVLTLFTEEYNFQSALVFVSQFFQVDVEASRADVIRLFLACLKGD

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\_000898

**ORF Size:** 1050 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\_050240  
RefSeq ORF: 1050 bp  
Locus ID: 1497061  
MW: 40.0 kDa