

## Product datasheet for **VC101564**

### U25 (NC\_001716) Virus Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	U25 (NC_001716) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	U25
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC101564 represents NCBI reference of YP_073765 with codon optimized for human cell expression <b>Red</b> =Cloning site <b>Blue</b> =ORF <b>Green</b> =Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGATTTCTGGCCAATCTCTGCTGCGTTAATAAACTGACCCTGCTCGAGGAGTTTATCCTGTCAAAG  
AGGGAACAAGCTTTGTGTGCCCTTCCCAGAAGAGTGGAGGGTAACCTTTTACAGCCTGGAGACTATCCC  
AGAAATCTCTAAGGAGGACATTGAAGAGATCAGGAACACGTATCTGTGCTGCGAGAAAACCTCTGATAGTA  
GTCGGTGTGCTCCACCAGTAAAAAGAGCACCTGCCCGGGCCATACTCTTGAAGCGACCGGGGGC  
ACCTCTATGTGTACAACGGGTTTTTCGACAAAAGCCTTTACTATGTGAGTTCAAACCTGCAGGACTTTTT  
CCTCGTAGGTCTGAAATCTTTTATCCTATTTACGAGCTGTGCGATTTTATTGTCGACTTTGAGACAGGC  
TCTAAGATCGTCGAGCACAGCAAAGCTTTTTCAGATATGATAATCTACCGGACGAGAATATTAACGTAT  
GTTTCATCCTCAAAGCTCTCCATACAAGACCTACACACGGTTCTGTGCGCTGCCTATGACACCTTACAC  
CGACCAGGATCTGCACCCTGGAAGCGCGTGATTCGATGCAACATCGTGGATGTCCTGTTTTGCGTCAAG  
CATAATGTATTCGGCAAGTGGTTTGAGCTGGTATTATTTGATGTAACGGCAAATCTTTGGAGTGG  
ACGACGAGCAGATTATTTTCTCGCACATAATCACTGAGTTCTGAAGATCGGCTGTCTGAGATTTAA  
CGAAAACAGAAGGCTGCACGGTACTGGTTTGAGCGAACCAATGATGTGCGGAATGTGGAGGAAGAGCTG  
TCCCGCCAGATTAAGTCCCTGGGTAATACCTGTAAGAGAAAGCGAAATATTTTCAAGCAACCCC  
TGCTCTGGAAGTCCGTCGGAAGAAAAAATAACAGCGCTACAATGTGCTG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >VC101564 representing YP\_073765  
Red=Cloning sites Green=Tags

MDFLANLCCVKNLTLLEEFILSKEGTSFVLPFPEEWRVTFHSLETIPEISKEDIEEIRNTYL CCEKTLIV  
 VGLVHHVKKSTCRGPILLQGDRGHLYVYNGFFDKSLYYVSSNLQDFFLVGLKFFYPYIELCDFIVDFETG  
 SKIVEHSKSFSDMIIYRDENINVCFILKSSPYKTYTRFCRLPMTPTDQDLHRWKRVI RCNIVDVLFCVK  
 HNVFGKWFELV IIFDVNGKIFGVDDDEQIIFLAHNITEFLKIGCLR FNENRRLHGYWFERTNDVRNVEEEL  
 SRQINCPWGN TCKRKRNI FKPQLLWKS VGRKNNSAHNVL

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:** 960 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\\_073765](#)  
RefSeq ORF: 960 bp  
Locus ID: 3289483  
MW: 37.9 kDa