

## Product datasheet for **VC101373**

### U25 (NC\_001664) Virus Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	U25 (NC_001664) 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 VC101373 represents NCBI reference of NP_042918 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGGTCTGAGTTCTAGCAAGGATATTGATCTTCTTGTGAATTCATTGAGAACCGGCAGGGTGCAACTC  
TCGCTTTGCCTTGGCCGAAGACTACCGACTGACACTGCACAGCGTGGAGAATATCCCGGAGATTTCAAG  
GGAAGATGTCCAGAATTGGCGAAGACATACATGTGTTGTGGTGGTGGAGCTCGTTGTGGTCGGCGTAATC  
CATAAGGCAAAGACCCGGACCTGTCGGGCCCTATCGTGCTTCAGGGCGCCAGAGGACATATCTATGTGT  
ACAATGGGTTTTTCGACCGCAGTCTGTACCACGTGCGCTCCAGTTTTTCATGACTTGTCTCTAACGGCCT  
CCGCTTTTTTATCCATTTATGAAACATGTGATTATGCCCTGGACTCAACAGTGCCCTTGATATGATT  
GCCCACTCCAATCTTTCTGAACTCTTGCACTATCGAAACGAACGCAAAAACGCTTTCTTCACTGA  
AACTTATCCCTACAAGACATTTGTCCGTTCTGTAACCTGTCCATGACAGAATTCTCATCCAGGCATCT  
GATCCAGTGGCGGCGAAAGCTTCAAACCTCCCTGTTGGATGTGGTGTATTGTGCAGCATAACTTCTTT  
GGCGATTGGAGAGAGCTGGTGGTGTATTCGATGGTCACGGCATGCTTTTTGCGTCGATCGGGAAGAGA  
GTCTCCTTTTCATCGCTCGGAATATGTCAGACTCCTGAAGATTGGGTGTCTGCGGTACAACGAGAATCG  
GCGACTGCATACTCAATGGTTCCTCAGGACACAGATTACATCAAGCAGGTAGATGAGATGTTTTACGG  
GACGTTCTCTGCCCTTAGGGAACACTGCCAGCGAAGCAGACGCGGAGCGGGCTCTGAAGATATGTA  
CCAGCTTGGTGGCGGCGTGAATTGTATCGAACGAGGT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >VC101373 representing NP\_042918  
Red=Cloning sites Green=Tags

MGLSSSKDIDLLVNFIEINRQGATLALPWPEDYRLTLHSVENIPEISREDVQNWAKTYMCCGGELVVVGVII  
 HKAKTRTRCRGPIVLQGARGHIYVYNGFFDRSLYHVASSFHDLFSNGLRFFYPIYETCDYALDSTVALDMI  
 AHSKSFSELLHYRNERKNAFFTLKTYPKTFVRFNCNLSMTEFSSRHLIQWRRKLQTSLLDVVFIYQHNF  
 GDWRELVVVFDGHGMLFCVDREESLLFIARNMSDFLKIIGCLRYNENRRLHTQWFTQDTDYIKQVDEMFSR  
 DVLCPLEHRCQRSRRERGLLKICTSLVRGVNCIERG

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NC\_001664

**ORF Size:** 948 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\_042918  
RefSeq ORF: 948 bp  
Locus ID: 1487903  
MW: 37.1 kDa