

## Product datasheet for **VC101374**

### U26 (NC\_001664) Virus Tagged ORF Clone

#### Product data:

|                           |                                                                                                                                                                |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Type:             | Expression Plasmids                                                                                                                                            |
| Product Name:             | U26 (NC_001664) Virus Tagged ORF Clone                                                                                                                         |
| Tag:                      | Myc-DDK                                                                                                                                                        |
| Symbol:                   | U26                                                                                                                                                            |
| Mammalian Cell Selection: | Neomycin                                                                                                                                                       |
| Vector:                   | pCMV6-Entry (PS100001)                                                                                                                                         |
| E. coli Selection:        | Kanamycin (25 ug/mL)                                                                                                                                           |
| ORF Nucleotide Sequence:  | >The Viral ORF clone VC101374 represents NCBI reference of NP_042919 with codon optimized for human cell expression<br>Red=Cloning site Blue=ORF Green=Tags(s) |

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCGCAGGCTCACCGACAGCTTCATCTGGGATTGGCTAAGGGAGCCGTGATCCAGGGCTCTACACCT  
TCAGAATGACGGAAGGACGGTCCCCCTTGGGGCAGATTGGCGTGTGATCACCGTCGCAATCTCCTTCCT  
GTTGACTTCAAGCGGTTTGACCCTCGGTTTTATAAACCAGTCGGTGACTTCAAGATCGTCTTTTTGTCC  
CTGATGGCTCCTAAACTGCCAAGCCTGCTGAGTGC GGTTGTGATGATTTGTTGATTTTTAGCGAAATGA  
GACTGCGGATGATCCTCAGCAGGTGCGTGATGATTATGCCCTTCTACTCCCAGCCGTCTTCACCGGAT  
CATGGTCAGCTTGTCTTCAAGAGCCAGATGTTTGACGATTATCCGTGTTGATTACCGCAGCCTCTCTC  
CTTCCAATTACGGTACGGTACGGTTGGATGATCCGCTCAAGTGGCTTCTCCTGGGGCTGCAGAAATATA  
GGCCCATCCTGAAGAGTACCAGTTTCCGCGAGGTTGATCTTAAGTGTCTGGTGAAGTTCACAGTTGAATT  
CTTGCTGCTCTTCAATGCTCTGGATAGGAAAAATGTTCTGAGTATGCCGAAATCCAATCACCTGTTT  
TTCCTGACCGTGGTTAACAACGCTTTTTTAAACTCAATGCTTCAAGGCAGCAGCATGCGCTGTGGTGC  
CAATCCTGAGCGCCTGATGATGAATGTGTGCCTGTACCGCATTATCTTGAAGCCTTCTGTTGGTTGGG  
ATTCTCCAGCATCATGTTGACCCTGCAAGTGACCTGAAAGATCGCTCCTCTACGCTGGCGATCTCCTG  
AATGGATTCTTGCCTGTGGTTGTGTATGATTTCCGGGTC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >VC101374 representing NP\_042919  
Red=Cloning sites Green=Tags

MRRLTDSFILGLAKGAVIPGLYTFRMTEGRSPLGQIGVLITVAISFLLTFKRFDPFYKPIGDFKIVFLS  
 LMAPKLPDLLSAVVMICLIFSEMRLRMILSRVIMMPSYSPAVFTGIMVSLFFKSQMFDYDYSVLITAASL  
 LPITVRYGWMIRSSGFLGLQKYRPIKSTSFREVDLKLKLVKFTVEFLLLFTMLWIGKMFSLMPKSNHLF  
 FLTVVNNVFFKLVNFKAAACAVVAILSGLMMNVCLYRIIFEAFVGLGFSSIMLTLSSDLKDRSFYAGDLL  
 NGFFCLVCCMYFGV

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\_001664

**ORF Size:** 885 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\_042919  
RefSeq ORF: 885 bp  
Locus ID: 1487902  
MW: 33.3 kDa