

## Product datasheet for **VC101384**

### U36 (NC\_001664) Virus Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	U36 (NC_001664) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	U36
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>The Viral ORF clone VC101384 represents NCBI reference of NP\_042929 with codon optimized for human cell expression  
 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTATAAAGGCTGGGACAGCGAGGCTTTGCCGATCCAATCCGAAATACTTAACGAGATATTGCTCTACT  
 GCTATCTCACCCCCAGCCACCCATCCCCAGTGAGACCACCACAGCCACCAGCCCTACCAATATAGAGAA  
 CGAAATTAGCAATCTTGATAACAGTGAAGTCTGGAGGAACTCAAGCAGCTCTCAGTGGCTCTTAATATC  
 GATCGGCGGTGTAATATTTGTTCTATAGTGAATCTGTGCCTGAAACAAAACAAGATTGGATATACGATT  
 ACTCTCTTTTGTGCTATAAATGCAATTATGCCCAAAGACACCCTTGTCCCTTCTATCGTGAGCACTGA  
 GTTTTTGATGTTGATTCGGGAGCGCTTCCCAACATCAATTCGATGGCCTCTTTCTTAATAACATCGTC  
 AGTATCTTTGACTTTCAGTCCATTTTTTCATCCACCGGTGTTTCGCCAATACGGTAAACGATCACATCC  
 AATCCGAGAACATTACTGAATCACATGGCAATCATCCGATCCACACTGCTTAAAGAAGACACCATCCC  
 CCATATCAAAATCAAGAAATTTCTGACAAAGAAGATGAACCCAAAGAAGACACAGTCATCAGAGCTCAAC  
 AAGAAGCTCACTGTCCCTATGAAGACCCGGTTACAACCTGCTTTTCTATATGTGGTCAGTACTAACG  
 TATTCGACAGAGTGCCATTTACCAGCTCACTATTAGAAAACACCCTTTATTAAGAAGTGTACTCTAA  
 CAAAAGTACATTGAACTGACGGCGGGCCGATCCTTCTGGCTCAGATTCCTTTTTCAATTACAAAAAT  
 AAAACTACCAGTGTGCTTCTTTGTGAGCTGATGGCTGCAAGTAAAGCAGGATTACCTCTTTCTCAAA  
 TACCTGCACCAGAGTATCATGGACTACTGTCAAAATAACCTGAAGATGATAGACCGGTCCAGTTCGTGAT  
 TGCAGATATATTCGAAAAGACCAAGATCCACCCCATGAAAAATCTTCCGACTATTCTAAAGCGATT  
 TTTGATAACGAATTTTCTTCTCTGATGACAACCTTACTGTTGATGACTCAGTATATTTGATTTTGAGAC  
 AGACAGGCACTGTTGGGTGTACAAGCATTTCTTTGTGATCCTCTTTGTCTGGCTAACTGCAAAACTAT  
 TAACCCTGAGGTGTTGTTCAATACAACAGATGCAGGAGAAATTCAGGATCTCAAGGTGACAAATTTGCTAT  
 CGCAACGAGTACTTGAGCATCGTCGAGAAGCATGTATGGCTCGCAATTCACCTTTTCAAAGCCTTCCAAA  
 TCATTAACCCCAACCATAAGAACAAAACACAGATAACAGAGTTTCTGAAAGATTTTACTAATCTGCTCGC  
 ACTTCACCACTTTGATATTGTAGATCCCATTTTACCCTAAATATTACGTG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>VC101384 representing NP\_042929  
 Red=Cloning sites Green=Tags

MYKGWDEALPIQSEILNEILLCYLTPQPPIPSETTTATSPNTIENEISNLDNSENLEELKQLSVALNI  
 DRRCNICISIVNLCLKQNKSWIYDYSLLCYKCNYPKTPLSLLIVSTEFMLIRERFPNINFDGLFLNNIV  
 SIFDFHVHFFIHRCFANTVNDHIQSENI TLNHMAIIRSTLLKEDTIPHIKIKKFLTKKMNPKKTQSSELN  
 KKLTVPMKTRFTLLFYMWSGTNVFDVPFDTLIRKHRFIKNLYSNKTDIELTAGPILLAQIPFSITKN  
 KTTSVCLLCELMAASKQDYLFKYLHQSIMDYCNLKMIDRVQFVIADIFEKTKIHTHVKNLSDYSKAI  
 FDNEFSFSDDNFTLDTHVYLILRQTGTGVYKHFCDPLCLANCKTINPEVLFNTTDAGEIQDLKVTICY  
 RNEYLSIVEKHVWLAIHLEKAFQIIKPNHKNKTQITEFLKDFTNLLALHFFDIVDPIFTVNYVV

**TR**TRRLE**QKL**ISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NC\_001664

**ORF Size:** 1452 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\\_042929](#)

**RefSeq ORF:** 1452 bp

**Locus ID:** 1487914

**MW:** 56.4 kDa