

Product datasheet for **VC101364**

U17 (NC_001664) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	U17 (NC_001664) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	U17
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC101364 represents NCBI reference of NP_042910 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCAGACGAGCGCACCTCCGATTCAGTGAAGACTAGGTACGATATCGCGTTGATGAAGCTCAATGACA
TCAAGATAGCCGTTTTTCGCGACTCCCTGTCTACATATGTTGAACAGAAGACAGGGCTGACCATCCAATT
CAACTGGCCCAAGAGCCGGTGCCTCGTGATCTCCACGCTGTGTAATAATCCATTTCTACTAAAAGCGCC
GCTGAGTCCAAGAAATGTGTAGTCTCCTCTGTGTTGCCCTGAGAGGCTGCAGCTTCTCGGATATGTCT
CAGTCTGGGGAGAAGAAACCCGGGATGTGTGCCTGACAAAACTCTGGTTTTCGCCGCGCAGGACGAAAA
ATTTTATGGGCTCGACTTCGTGAACGAAACTGTACCTCCTGGCAGAACTACCGAGAGGTTTCGCTGTC
CTCGGCCCTGAGAAGATACGATCCAGTCTACCGGAAAAAGACATTAGATTCCTCACAAAAATAGATGATG
TGCTGCAGAGTCTGATCGACGCTCAGGACAATCTGTGAAATTTGCAACGATTGTGTACAAAACTCCGG
CCGCCACTATATTGAAGAGTTGTCTTGAAAACAATGACGGCGTGTTCCTGTTCTGACCAGAAAAG
GAGGATTTTCCAAGTAGGATGGAATGGAATTTTTCTCTGACGTTTATGAATCAATGCCATACGACGGGC
AGGTCATCGGTAGCATAGGGAAAATCTGTTGTACCCCAAGACGATGTTTCGTTATGATGGACTTGTCCGG
TGCCATATATGGCATCGACACAATTGGTACCGGATCGGCTCTTGCCTCAAGATAGCGGACGACTTCGAG
TCCTTTCTGCGCCAGGGCATCGTGAGGGCTACCGCAGGTATAAGTTCTCCATAGAAAACATAAACCCG
TACAGGAAATCCTTCCATTGTGCCACACACCAGCCTGGGGCCAACCTTCAGCAACAACTATATCTACGA
CTTGTCATCAGAAGATGATGAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >VC101364 representing NP_042910
Red=Cloning sites Green=Tags

MADERTSDSVKTRYDIALMKLNIDIKIAVFRDSLSTYVEQKTGLTIQFNWPKSRCLVISTLCKIPFPPTKSA
 AELQEMCSLLCCPERLQLLGYVSVWGEETRDVCLTKTLVFAGEDEKFGYGLDFVNETLYLLAETTERFAV
 LGLRRYPVYREKDIRFLTKIDDLVQLSIDAQDNLWKFATIVYKNSGRHYIMKSCLENNDGVFLFLTRK
 EDFPSRMEWNFFSDVYESMPYDGGQVIGSIGKTLLYPKTMFVMMDLSGAIYGIDTIGTGIGSCVKIADDFE
 SFLRQGIVRGYRRYKFFHRNINTVQEILPLCPHTSLGPTFSNNYIYDLSSSEDD

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: 1002 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_042910
RefSeq ORF: 1002 bp
Locus ID: 1487923
MW: 38.5 kDa