

Product datasheet for **VC101576**

U37 (NC_001716) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	U37 (NC_001716) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	U37
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC101576 represents NCBI reference of YP_073777 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGATAATTCAAAGTACCAGGCGCTTGC GGCGCGCATCTCTTTGTTGAAGAAAAGTAAGCCGTATAATA
AAGAGAAGACCAATCTGTCACTCTCTCTCTCTTAAAGAACTGCACAGTGTGTTAAGCTCTTCCCTGA
GTACGAGCTTAAGTTCTCAATATGATGAAACTTCCAATCACAGGCAAAGAGCCTATCAAGATCCCCTTC
GACTTGAGTCTGCATCACCAGCACACATGCCTGGATCTCAGCCCCTACGCCAATGAGCAGGTCAGCAAAT
CCGCATGCGTGAATTGCGGCACCACTAATATCCCTACGGCCTCCGATGCCATGGTGGCCTACATGAACCA
GATTTCCAACGTTATGCAGAACAGGTTGTATTATTACGGTTTCCAGAAAAAGGTGGAAGTATTGCGCATG
TCAGCCAAGCAGCCACACTTTTCAAATTTTTTACATCCTCTCTTCCATTGCCAGCAATTTTCTCCGA
TAATGTTTCGAGAATAACGAGAAGCTGAACATGTATGTGGTGTCCAGACAAGGACGCTGCACATCCCCTG
CGAGTGTATCAATCAGATCATGACGGTACGAGCGGATACACAGTTTTGTTGGACATTCTGCACGATTCC
ATCGTCTGCACGACTGTGTAAGACAATCGAAACCTCAAACATTCAAATTGACATCAACGTGTTGCAGA
GGAAGATTGAAGAGATGGATGTGCCCGACGAGATCGGTGACAAGTTCGAAAAACTGAAGCATATTTGCC
ATTCATC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >VC101576 representing YP_073777
 Red=Cloning sites Green=Tags

MIIQSTRRLRRASSLLKSKPYNKEKTNLSLSLSLKLHVSFVFLFPEYELKFLNMMKLPITGKEPIKIPF
 DLSLHHQHTCLDLSPYANEQVSKSACVNCGTTNIPTASDAMVAYMNQISNVMQNRLYYYGFQKKVELIRM
 SAKQPTLFQIFYILSSIASNFLPIMFENNEKLNMYVVFQTRTLHIPCECINQIMTVSSGYTVLLDILHDS
 IVLHVLCKTIETSNIQIDINVLQRKIEEMDVPDEIGDKFEKFKHILPFI

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NC_001716

ORF Size: 777 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_073777
RefSeq ORF: 777 bp
Locus ID: 3289495
MW: 29.9 kDa