

Product datasheet for **VC101478**

U37 (NC_000898) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	U37 (NC_000898) 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 VC101478 represents NCBI reference of NP_050218 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGACCGTGCATAAGAATAGGTTTCGCCGCTCCCGTCACTTAGCGTTACACACAGGATTCAAAAGAGAC
CCGATCACCGGAAAAAACTAACTCTATCTGCAGTTGAAGCTCCACGACTTGCATGCCGTATTCAACCT
TTCCCGAATACGAGCAGAAGTTCCTGGCCATTATTAACCTGCCATCACCGGCAAAGAACCGATCGAC
GTTCCCTCAGCTTGAGCAATCACACCAGCACACATGTCTTGAATTTTCACTTATGCCAACGAGCAGA
TCAGAAATCTGCCTGTCTGCAGTCTGTCTCAGTCCCAACTTCTAGCGAGCCATGGTTGCCCA
CCTCAACCAAGTGACAAATGTGATGCAGAACAGATTCTACTTCTACGTTTCCGGAAGGACATGGAGCTG
ATCCGCATGTCAGCCAAACAGCCTACAATATTCCAGATTTTCTACATCGTGCACAACACAATAAACAACA
TTTTCCAATTATGTTTCGAGAAGAAGCAGAACTGGGAATGCATATTGTTTTCCAGTCAAGAACACTGCA
CATCCCATGCGAATGCATCAAGCAGATCATCGCTGTCTCAAGTGGATATAACGTTTACCTGGACATTCTC
CAGGACTCTGTTATCCTGACCGTCTTGTGTGAAACATTGGACACTAACACCAACATCCATATCGACATAG
GCATGCTTCAGAAGAACTGGAAGAAATGGACATTCCGAATGAAATCTCTGACAGACTGGAGAAATATAA
AGGCACCTGATCGGCTCCAT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >VC101478 representing NP_050218
Red=Cloning sites Green=Tags

MTVHKNFRRSRSLSVTHRIQKRPDHREKTKLYLQLKLHDLHAVFNLFPPEYEQKFLAIKLPITGKEPID
 VPFSLSNHHQHTCLEFSPYANEQISKSACLHCESVSVPTSSDAMVAHLNQVTNVMQNRFFYGFGRKDMEL
 IRMSAQPTIFQIFYIVHNTINNIFPIMFEKKQKLGMHIVFQSRTLHIPCECIKQIIAVSSGYNVYLDIL
 QDSVILTVLCETLDTNTNIHIDIGMLQKKLEEMDIPNEISDRLEKYKGHLIGFH

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NC_000898

ORF Size: 792 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_000898.1, NP_050218
RefSeq ORF: 792 bp
Locus ID: 1497039
MW: 30.9 kDa