

Product datasheet for **VC101385**

U37 (NC_001664) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	U37 (NC_001664) 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 VC101385 represents NCBI reference of NP_042930 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACAGTGCATAAATCTCGCATAAGGAGGTCCAGGTCAGTGTGACCCACCGCATCCAGAAAAGAC
CTGATCACCGGGAAAAACAAACTGTACCTGCAACTGAAGTTCACGACTTGCACACAGTGTCAACCT
GTTCCCGAGTATGAACAAAAATCTTGGCTATAATTAATGGCAATCACCGGAAAGGAGCCAATTGAT
GTGCCGTTCTCACTCTCAATCACCCACGACACACATGTCTGGAATTTTCTCCGATGCTAACAGCAGA
TCAGAAAAGCGCATGTCTCCATTGTGAAAGCGTAAGTGTCCCCACCTCAAGTGACGCCATGGTGGCACA
CCTTAATCAGGTCAACAACGTGATGCAAAAACAGACTGTACTTTTTATGGGTTCCGGAAGGACATGGAGCTG
ATCCGGATGAGCGCCAAACAGCCTACAATTTTTCAGATCTTCTATATTGTGCACAACACAATTAATAATA
TCTTTCTATCATGTTTGAACGCAAGCAGAAGCTGGGCATGCACATTGTGTTTCAGAGCCGGACACTCCA
CATTCCATGCGAGTGTATCAAGCAGATCGTTGCTGTTTCTTGGTTACAATGTGTACCTTGATATACTG
CAGGAGTCTGTGATCCTCACCGTCTGTGAAACACTGGATACCAATACTAACATCCACATTGATATCG
GGATGTTGCAGAAGAAGCTGGAAGAAATGGATATCCCTAACGAGATCTCAGATAGATTGGAGAAGTACAA
GGGACACCTGATAGGCTCCAC

ACGCGTACGCGGCCGCTCGAGCAGAAAACATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >VC101385 representing NP_042930
 Red=Cloning sites Green=Tags

MTVHKSRIRRSRSLSVTHRIQKRDPDHREKTKLYLQLKLHDLHTVFNLFPPEYEQKFLAIKLPITGKEPID
 VPFSLSNHHQHTCLEFSPYANEQISKSACLHCESVSVPTSSDAMVAHLNQVNNVMQNRLYFYGFRKDMEL
 IRMSAQPTIFQIFYIVHNTINNIFPIMFERKQKLGMHIVFQSRTLHIPCECIKQIVAVSSGYNVYLDIL
 QESVILTVLCETLDTNTNIHIDIGMLQKKLEEMDIPNEISDRLEKYKGHLIGFH

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NC_001664

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_001664.2, NP_042930
RefSeq ORF: 792 bp
Locus ID: 1487915
MW: 30.8 kDa