

## Product datasheet for **VC101498**

### U57 (NC\_000898) Virus Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	U57 (NC_000898) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	U57
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC101498 represents NCBI reference of NP_050238 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**

ATGGAGAATTGGCAAGCCACCGAAATCCTCCAAAAATCGAAGCACCCCTCAATATTTTTAACGATATTAAGACCTACACTGCTGAGCAGCTGTTTCGACAATCTTCGCATATATTTGGCGACGATCCCAGCCGGTATAACATTAGCTTCGAAGCACTTCTTGGCATCTACTGCAACAAGATCGAGTGGATAAACTTTTTCACAAACCCCATCGCAGTCGCCGAAACGTGATCAGATTTAACGACGTCTCACGAATGACCCTGGGAAAGTTTTGTCTTCATTCAGCTCCCGCGCTGGCCACCGTAATGATGTAACAGCACCCAAGGAAACCATTATGGTAGCCAAGCACAGTGAGAAGCACCCCTATCAATATATCTTTTGATTTGAGCGCCGCTGTCTTGAACATTTGGAGAACTACTTTTTAAAAATACAGTGATCGACCAAATCCTGAACATCAACGCCCTGCATACAGTGCTTAGGTCTCTGAAAAATTCGCTGACAGTCTCGAGAGAGGACTCATAACGCATTATGCAGACTGCTGCGGAAGAGCCCCCGCAATTCATAGTATTGACCATGAACGAGAACAAGTTCACAATAAGCAAGCCCTCTCCAGGGTTCAGCGTCCAATATGTTCCAGAGCCTGAAGAATCGGCTCCTGACTAGTCTGTTTTCTTGAACAGAAATAACAACCTTCTTACATTTATAGAATTTTGAACGATATGATGGAGTCAGTCACTGAGTCCATTTTGAACGATACTAATAACTACACCTCAAAGAGAATATTCCTCTTGATGGCGTCTGCTCGGACCAATTTGGCAGTATCCAGAAGCTCACCAACATACTCTCCAGTATATTTCCACCCAGGTGGTCTCTGCCCAATTTCTTATGGGCACTTTATAATGGGCAAAGAGAACGCAGTCACTGCTATCGTTACCGCTATTATGGCCGATTTACCCCAATTTACCGTCAACCGCGGAACAGAGCAGCAGGATACCAACAATAAAAGTGAGATCTTCGATAAAAAGCCGGGCATACGCTGACTTGAAGCTTAATACATTGAAGCTGGGGGACAACTGGTGGCATTTGATCACCTTACAAAGGTGTATAAAAAACTGACGTTAATGACCCTCTGGAGCAGTCCCTGCAGCTGACTTTTTCTTCCCCCTCGGGATTTATATTCCTACGGAACTGGCTTTAGTACAATGGAACTAGAGTGAAGCTCAACGACACAATGAAAAAATCTTCTACCAGCGTGTCTTCCACAACAAGATCAGGTGGTGCAGAGAATTGATTTCCGCTGACATACTCCGTCGATGCCATCCAATTGTTCCAGACTCCACCATTTGTGAACGACTGATGAAAAACGAGCCACTGCTACTGGACATCGGTTTAGTCAGCTCTGTCAGCTGAAGATCACTAGGGAGAATCCAACGCGGATATTGCAGACCCTCTATAACCTGTACGAATCAAGACAAGAGGTCCCGAAGAATACAATGTCTTGAAGA



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ACGAGCTGAACGTGGAGGATTTCTACAAACCCGACAACCCAACCTCTCCCCACCGAACGCCATCCGTTTTT  
TGATCTCACCTATATCCAGAAGAACCGGGCCACCGAAGTGCTCTGTACCCCGCGCATAATGATCGGTAAC  
ATGCCACTTCTCTGGCTCCGATTTCTTTTCATGAGGCCCGAACCAATCAGATGCTGGAGCATGCTAAAA  
CTAACAGCCATAATTATGATTTTACTTAAAACTGTTACAGAGTCTCTGACTTCCGGGTGCATATCCGGA  
ATTGGCATACTGATCGAAATTTCTGGTCCATGGCAACAAACACGCCTTCATGATCTTGAACAGGTGATT  
AGCCAGTGCATATCTTATTGGTTCAACATGAAGCATATCCTTCTGTTCTGCAACAGTTTCGAGATGATAA  
TGCTTATTTCCAATCACATGGGGGACGAACTGATACCAGGGGCCGCTTCGCCCACTACAGGAATCTGGT  
GAGTCTTATTAGACTGGTAAAACGCACCATCAGTATAAGTAACATCAATGAGCAGCTTTGTGGTGAGCCT  
TTGGTAAATTTCCGCAACGCCTCTTTGACGGCCGCTCTTCTGTCCCTTCGTCCATACAATGCCAAGAA  
ACGACACCAATGCCAAAATTACCGCGGACGATACCCTCTGACGCAGAATACCGTCAGGGTCCGGAACCTA  
CGAGATCTCAGACGTGCAGCGGATGAACCTGATAGACAGTCCGTGGTGTTCACAGACAATGACAGGCCCT  
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CCTGCGGGGCCGCGTGAATGTGAAGGAGCTTGTGCTGGATCTGTTCTACACCGAACCTTTATATGTCC  
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TCAGTCACTGCAGCACATCCTGTATAACGGGCTGTGTCTCATCTCTCTATCACCACACTCAGAAGATAC  
TATCAGCCCATCCCTTCCACCGCTTTTCTCCGATCCAGGAATCTGTGGTACGATGAATGCCGACATTC  
AGGTGTTCTCAACACCTTTCCACACTACCAGAGGAACGACGGTGGCTTTCCACTGCCACCTCCACTGGC  
ACTTGAGTTTTATAATTGGCAGAGGACACCTTTTCTGTGTACAGTGCCTTCTGTCCGAACGCCTGCTT  
TCTATTAGACCTTGGCAGCTATGCACTCAAACCTGAGCCCTGTGCCATAGCTATTAGTCTAAATCAA  
AAATTCACCCCGGTTCCGAGCTACCCTCGTCCGACTGACAATTTTACGTAAGTGAATGCCTCCTGTACAG  
CAGCAGGGCAGCAACGTCTATAATCCTCGACGATCCAACCGTGACCGCAGAAGCCAAGGATATCGTAACA  
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CTAACCTTAAACGCATCAAGTCCGATATGGGGAGCAAGATCCAGAACCTTCTCTCCGATTTCCCATCCA  
TGCTTACCAATACGGACATCAATACCTGGATACGACACCATGTGGGCATCGAAAAACCAACCCCACT  
GAAGGGGAAGCACTTAATATCATCAGTTTGGGGGATTAATAAGAATCCTCCATCTATCCTGCTGCATG  
GCCAACAGGCCATTTGCGAAGTAATCCTTACACCTGTTACCACCAATATCAACTTCTTCAAGCTGCCGCA  
CAACCCACGCGGACAGAGTCTTGTATGATGGTACCGATCCTCACAACGAGGAGGCCGCCGCAAGGCC  
CTGTATGATCATACCCAGACCGACAGCGACACCTTCGCGGCCACGACCAATCCATGGGCCTCTCTGCCCC  
GGTCTCTGGGAGACATTTGTATAACACGGCTCACCGAGAGCAGCTGTGTTACAACCCGAAAACGTAATC  
CCCCAACGCCAATTCTTACGGAGTCTGATATTCTGAAGACCAATAAAATGATGTACAAGTAATAAAC  
GAATACTGCATGAAGTCCAACAGTTGTCTGAACTCCGACTCCGAGATCCAGTACTCATGCAGCGAGGGCA  
CAGACTCCTTTGTCTCCCGCCCTGTCAATTTCTGCAAAATGCCCTCCCACTGCACTGCTCAAGCAATCA  
AGCCCTGCTCGAATCTAGGTCAAAAACCGGCAACACAAAATTAGCGAGACACACTACTGTAACACGCC  
ATCGGCGAAACGATCCCCCTTCACTGATCATAGAATCATCAATA

ACGCGTACGCGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >VC101498 representing NP\_050238  
 Red=Cloning sites Green=Tags

MENWQATEILPKIEAPLNI FNDIKTYTAEQLFDNLRIYFGDDPSRYNISFEALLGIYCNKIEWINFFFTP  
 IAVAANVIRFNDVSRMTLGKVLFFIQLPRVATGNDVTAPKETTIMVAKHSEKHPINISFDLSAACLEHLE  
 NTFKNTVIDQILNINALHTVLRSLKNSADSLERGLIHAFMQTLRKSPPQFIVLTMNENKVHNKQALSRV  
 QRSNMFQSLKNRLLTSLFFLNRRNNSSYIYRILNDMMESVTE SILNDTNNYTSKENIPLDGVLLGPIGSI  
 QKLTNILSQYISTQVVSAPISYGHFIMGKENAVTAIAYRAIMADFTQFTVNAGTEQQDTNNKSEIFDKSR  
 AYADLKLNTLKLGDKLVAFDHLHKVYKNTDYNDPLEQSLQLTFFFPGLGIYIPTETGFSTMETRVKLNMTM  
 ENNLPTS VFFHNKDQVVQRIDFADILPSVCHPIVHDSTIVERLMKNEPLPTGHRFSQLCQLKITRENPTR  
 ILQTLYNLYESRQEVPKNTNVLKNELNVEDFYKPDNPTLP TERHPFFDLTYIQKNRATEVLC TPRIMIGN  
 MPLPLAPISFHEARTNQMLEHAKTNSHNYDFTLKIVTESLTSGSYPELAYVIEILVHGNKHAFMILKQVI  
 SQCISYWFNMKHILLFCNSFEMIMLISNHMGDELIPGAFAHYRNLVSLIRLVKRTISISNINEQLCGEP  
 LVNFANALFDGRLFCPFVHTMPRNDTNAKITADDTPLTQNTVVRVNYEISDVQRMNLISSVDLMSLIREAMG  
 SNENTILSKIFYFCVLPALSNKACGAGVNVKELVLDLFYTEPFI CPDDCFQENPISSDVLSLIREAMG  
 PGYTVANTSSIAKQLFKSLIYINENTKILEVEVSLDPAQRHGNSVHFQSLQHILYNGLCLISPIITLRRY  
 YQPIPFHRRFFSDPGICGTMNADIQVFLNTFFPHYQRNDGGFPLPPPLALEFYNWQRTPF SVYSAFCPNSLL  
 SIMTLAAMHSKLSPVAIAIQSKSIHPGFAATLVRTDNFDVECLLYSSRAATSIILDDPTVTAEAKDIVT  
 TYNFTQHL SFVDMGLGFSSTTATANLKRKIKSDMGSKIQNLFSAPPIHAFTNTDINTWIRHHVGIEKPNPS  
 EGEALNIITFGGINKNPPSILLHGQQAICEVILTPVTTNINFFKLPHPNPRGRESMMGTDPHNEEAARKA  
 LYDHTQTDSDTFAATNPWASLPGSLGDILYNTAHREQLCYNPKTYPNAQFFTESDILKTNKMMYKVIN  
 EYCMKSNCLNSDSEIQYSCSEGTDSFVSRPCQFLQNALPLHCSSNQALLESRSKTGNTQISETHYCNYA  
 IGETIPLQLIIESSI

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NC\_000898

ORF Size: 4035 bp

<b>OTI Disclaimer:</b>	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.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NC_000898.1</a> , <a href="#">NP_050238</a>
<b>RefSeq ORF:</b>	4035 bp
<b>Locus ID:</b>	1497059
<b>MW:</b>	152.1 kDa