

Product datasheet for VC101407

U57 (NC_001664) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	U57 (NC_001664) 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 VC101407 represents NCBI reference of NP_042950 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAAAACGGCAGGCGACAGAGATCCTTCCAAAATCGAGGCCCTCTCAATATCTTCAACGACATAA
AAACATATACAGCCGAGCAGCTCTTCGATAATCTTCGCATATATTTGGCGATGACCCTAGCCGGTATAA
CATATCTTTGAGGCCCTCTGGGGATCTATTGTAATAAGATCGAGTGGATTAATTTCTTACGATCCC
ATTGCCGTGGCAGCGAAGTGTATCCGATCAATGACGTCTCCAGGATGACCTTGGGAAAGTGTCTTCT
TTATCCAACCTGCCAGGGTGGCCACAGGCAATGATGTGACAGCTAGCAAGGAAACCACATCATGGTGGC
CAAGCACTCAGAAAAACCCCAATTAATATATCCTTTGACCTTAGTGCCGATGTCTGGAGCACCTGGAG
AACACTTTCAAGAACACTGTCATCGATCAGATCCTGAACATTAATGCGCTGCACACTGTCTTGGCTCCC
TCAAAAACCTCCGAGACTCCCTGGAGCGGGCCTGATCCATGCATTATGCAAAACACTCCTGAGGAAAAG
TCCCCCAGTTCATCGTTCTTACAATGAATGAAAACAAGTTTATAAACAACAGGCCCTGAGTAGAGTT
CAACGCTCTAATATGTTTCAAAGCTTGAAAATAGGCTGCTGACAAGTCTGTTCTTTCTAACCGCAATA
ATAACATCTCATATTTACCGATTTTGAACGATATGATGGAGTCAGTCACCGAGTCAATCCTTAACGA
TACCAACAACATAACCTCAAAGGAAAATGTGCCTCTCGATGGGGTGTCTCGGACCCATCGGATCTATT
CAGAAGCTGACAAGTATTCTTTCCCAATACATTTCAACACAGGTGGTGTCCGCGCCAATCAGTTATGGCC
ACTTCATAATGGCAAGGAGAATGCAGTGACGGCAATTGCTTATCGGGCTATAATGGCTGACTTTACACA
GTTCACTGTGAATGCAGGAACAGAACAGCAAGACCAATAACAAGTCCGAAATCTTCGATAAAAAGCCGG
GCCTACGCGGACCTGAAGCTGAACACCCTGAAGTTGGGCGATAAACTGGTCGCTTTTGACCATTTGCATA
AGGTGTATAAAAACAGGATGTAACAGTCCACTCGAACAGTCTTGCAGCTGACTTTCTTTTCCCTCT
CGGCATATACATACCTAGTGAGACAGGGTTCTCCACTATGGAGACGCGCTCAAGCTGAACGATACAATG
GAGAATAACCTTCCGACGAGCGTGTCTTTTATAACAAGGATCAGGTGGTACAAAGGATCGACTTCGCAG
ATATACTGCTAGCGTGTGTACCCAATTGTGCACGATTCAACCATTGTAGAGAGGCTGATGAAGAGTGA
GCCCTTCCAAACAGGCCACAGGTTTCAGCCAGCTGTGCCAGCTGAAGATCACTAGGGAAAAATCCTGCCCGC
ATTCTCCAAAACCTGTACAATCTCTATGAGTCACGGCAGGAGTTCTTAAAAACAAAACGTCTGAAGA



[View online >](#)

ACGAGCTCAATATAGAGGACTTCTATAAGCCTGACAACCCACCCTGCCACTGAGCGACATCCATTCTT
CGATCTTACTTACATCCAAAAGAATCGGGCTACCGAGGTGCTGTGTACTCCACGAATCATGATTGAAAA
ATCCCCTCCCTCGCCCCAGTGGAGCTTCCATGAAGCCCGCACCAACCAATCTTGAGCAGCAAAGA
CAAATTGCCAGAAGTATGACTTCACACTCAAGATCGTGACCGAGAGCCTGACTAGCGGCTCCTATCCCGA
GCTGGCATACTGATCGAGACGCTGGTCCATGGCAACAAGCACGCCTTCATGATACTGAAGCAGGTGATC
AGCCAATGCATAAGCTACTGGTTAATATGAAACACATCCTCCTGTTCTGCAACTCCTTCGAAATGATCA
TGCTGATCTTAATCACATGGGGGATGAGCTTATCCCGGGCGCGGCTTTCGCCACTATAGAAACCTCGT
GAGCCTCATTAGACTGGTGAAGCGGACTATCAGCATAAGCAATTTGAATGAGCAGCTCTGCGGCGAACCC
TTGGTGAACCTTTCGCAACGCTCTCTTTGATGGCGGATTGTTTTGCCCTTTCGTCCATACTATGCCGCGCA
ATGACACTAATGCTAAAACTACTGCAGATGATACCCTCTGACCCAGAATACCGTGC GGTTTCGCAACTA
CGAGATTTCTGACGTTCAAAGAATGAACCTTATCGATTCTCTGTGGTCTTTACTGATAACGACCGACCT
TCCAACGAGACCAGATTCTGTCTAAAATTTTCTACTTCTGCGTGCTTCCAGCTCTCTCCAACAACAAGG
CATGTGGGGCTGGTGTCAACGTCAAGGAGCTGGTACTCGACCTTTTCTACACCGAGCCTTTCATTAGTCC
CGACGACTACTTTCAGGAAAATCCAATCACAAGTACGCTGCTGATGCTACTGATTAGAGAGGGGATGGGT
CCAGGTTATACCGTTGCAAAATACCAGCTGTATTGCCAAACAGCTGTTCAAGTCTCTGATCTACATTAACG
AGAATACAAGATTCTGGAGGTAGAAGTGTCCCTGGATCCAGCCAGCGCATGGAACAGCGTGCACTT
TCAAAGTTTGAGCACAATACTGTACAATGGCCTCTGCCTTATCAGCCCTATAACCACTTTCGGAAGGAT
TACCAGCCATACCCTTCCATAGATTTTTTCTGACCCTGGGATCTGCGGGACCATGAATGCGGACATTC
AGGTTTTTCTCAATACTTTTCCACATTGTGACGCGCAATGACGGAGGTTTTCCCGCTGCCACCTCCCCTGGC
ACTCGAGTTTTATAATTGGCAGAGAACCGGTTTAGCGTGTACAGCGCTTTTTCGCCGAACCTCACTTCTG
TCTATCATGACTGGCAGCTATGCATAGTAAGCTGAGTCCGGTGGCAATCGCCATCCAATCCAAAAATA
AGATCCATCCTGGATTTGCCGCTACCCTGGTAAGGACCGATAATTCGACGTAGAGTGTCTGCTCTACAG
TTCACGCGCCGCACTTCTATAATCCTGGATGACCTACCGTGACCGCCGAAGCTAAGGACATCGCAACC
ACATATAATTTTACCCAACACCTGTCAATTTGTTGATATGGGGCTCGGGTTCAGCTCCACCCTGCAACCG
CCAATCTGAAAAGGATCAAATCAGACATGGGGTCAAAAATCCAGAACCTTTTTAGCGGTTCCCGATTCA
CGCTTTCACCAATGCAGATATAAACACCTGGATTGCGCACACGTCGGGATCGAGAAGCCTAACCCATCA
GAAAGCGAAGCCCTGAACATTATCACCTTCGGTGGAAATCAATAAGAACCCTCCTTCTATCCTTTCGACG
GACAACAGGCTATTTGTGAGGTTATTCTGACACCAGTACTACCAACATCAATTTCTTCAAGTCCCACA
CAACCCCGAGGGAGGGAGTCAATGATGATGGAACTGACCCACACAACGAAGAGGCTGCCAGAAAAGCT
CTCTATGATCATACTCAGACCGACTCTGACACCTTCGCGGCAACAATAATCCCTGGGCAAGTCTCCCCG
GGTCACTGGGCGACATACTGTACAACACTGCTCACAGGGAGCAGCTCTGCTATAATCCAAAAACCTACTC
ACCAAACGCTCAATTCCTTACCGAGTCAAGATCCTTAAGACCAACAAAATGATGTACAAGGTGATTTCC
GAATATTGCATGAAATCCAATTCATGTCTGAACAGCGATTCTGAGATTCAATATTCCTGCTCCGAAGGCA
CTGATTCCTTTGTAAGCAGGCCATGTCAATTTCTGAGAATGCATTGCCCTTCACTGTTCCAGTAACCA
AGCCCTCTTGAGTCCCGCTCTAAAACAGGTAACACAAAATAGCGAAACCCACTACTGTAACATATGCC
ATCGGTGAGACGATCCCTTTTTCAGCTCATCATCGAGTCTCCATA

ACGCGTACGCGGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAAGTTTAA

Protein Sequence: >VC101407 representing NP_042950
 Red=Cloning sites Green=Tags

MENWQATEILPKIEAPLNI FNDIKTYTAEQLFDNLRIYFGDDPSRYNISFEALLGIYCNKIEWINFFFTP
 IAVAANVIRFNDVSRMTLGKVLFFIQLPRVATGNDVTASKETTIMVAKHSEKHPINISFDLSAACLEHLE
 NTFKNTVIDQILNINALHTVLRSLKNSADSLERGLIHAFMQTLRLKSPPOFIVLTMNENKVHNKQALSRV
 QRSNMFQSLKNRLLTSLFFLNRRNNISYIYRILNDMMESVTE SILNDTNNYTSKENVPLDGVLLGPIGSI
 QKLT SILSQYISTQVVSAPISYGHFIMGKENAVTAIAYRAIMADFQFTVNAGTEQQDTNNKSEIFDKSR
 AYADLKLNTLKLGDKLVAFDHLHKVYKNTDVNDPLEQSLQLTFFFP LGIYIPSETGFSTMETRVKLNNDTM
 ENNLPTS VFFHNKDQVVQRIDFADILPSVCHPIVHDSTIVERLMKSEPLPTGHRFSQLCQLKITRENPAR
 ILQTLYNLYESRQEVPKNTNVLKNELNIEDFYKPDNPTLP TERHPFFDLTYIQKNRATEVLC TPRIMIGN
 IPLPLAPVSFHEARTNQILEHAKTNCQKYDFTLKI VTESLTSGSYPELAYVIETLVHGNKHAFMILKQVI
 SQCISYWFNMKHILLFCNSFEMIMLISNHMGDELIPGA AFAYRNLVSLIRLVKRTISISNLNEQLCGEP
 LVNFANALFDGRLFCPFVHTMPRNDTNAKITADDTPLTQNTVVRVNYEISDVQRMNLIDSSVVF TDNDRP
 SNETTILSKIFYFCVLPALSNKACGAGVNVKELVLDL FYTEPFI SPDDYFQENPITSDVLSLIREGMG
 PGYTVANTSCIAKQLFKSLIYINENTKILEVEVSLDPAQRHGNSVHFQSLQHILYNGLC LISPIITLRRY
 YQPIPFHRFFSDPGICGTMNADIQVFLNTFPHCQRNDGGFPLPPPLALEFYNWQRT PFSVYSAFCPNSLL
 SIMTLAAMHSKLSPVAIAIQSKNIHPGFAATLVRTDNFDVECLLYSSRAATSIILDDPTVTAEAKDIAT
 TYNFTQHL SFVDMGLGFSSTTATANLKRKIKSDMGSKIQNLFSAPPIHAFTNADINTWIRHHVGIEKPNPS
 ESEALNIITFGGINKNPPSILLHGQQAICEVILTPVTTNINFFKSPHNPRGRESMMGTDPHNEEAARKA
 LYDHTQTDSDTFAATNPWASLPGSLGDILYNTAHREQLCYNPKT YSPNAQFFTESDILKTNKMMYKVIS
 EYCMKSNCLNSDSEIQYSCSEGTDSFVSRPCQFLQNALPLHCSSNQALLESRSKTGNTQISETHYCNYA
 IGETIPFQLIIESSI

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NC_001664

ORF Size: 4035 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:	<ol style="list-style-type: none">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:	<u>NC_001664.2</u> , <u>NP_042950</u>
RefSeq ORF:	4035 bp
Locus ID:	1487939
MW:	152.0 kDa