OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for VC101599

U57 (NC_001716) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	U57 (NC_001716) 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 VC101599 represents NCBI reference of YP_073799 with codon optimized for human cell expression
Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGAGAATTGGAGAACTGCCGAAATTTTCCCAAAGCTGGACGTCTCCCCTAACGTGTTCGATGATATCA
GAACCCAGACCGCCGAGCAGCTCTTTGAGAATCTTCGCTTGTACTATGGTGACGATTCAGATAGATACAA
CATCAGCTTTGAGGCGCTCTTGGGAATTTATTGCAACAGGACCGAATGGATCGATTTTTTTCACACCAGT
ATTGCAGTTGCCGCCAACGTGATTAGATTCAATGACCTCGACAAGATGAGTCTCGGCAAAATCCTCTTCT
ACATTCAGCTCCCCCGGGTTGCAACCGGAAATGACGTCACTGCCCCCAAAGAAACCACTGTTCTGGTAAC
CAAATACAGTGAGAAGCACCCAATCAATATTTCCTTCGAACTGTCTGCAGCTTGCCTCGCTCATCTGGAG
AATACGTTCAAGAATACAATTCTTGACCAGATGCTGAATATCAACGCAATCCACACAGTGCTTAGGTCCC
TTAAAAATAGCGCCGACAGCCTTCAGAGAGGGTTGATCTACGCTTTTATAAAAACTATTTTGAAAAAGGC
GCCACCCCAGTTCATTCTTAAAACTATGCTGGAAAATAAAGTGAATAGTAAGCAAATTCTGTCAAAGGTG
CAAAGATCTAACATGTTTCAGAATTTCAAGAATAAGCTGATTAACAGCCTGTTTTTCCTGAACCGCACCT
CCAACGTGTCATTCATATACCGCTATCTGTGCGAGATGGTCGACAGTACAACAGAATCAATTTTGAACAA
CACCAATAGTTACGTCCTGAAGGATGGTACCCCCATCAATGGGGTCCTTCTGGGCACCCCGAATACAATT
CAAATTCTGTCCAACGCTTTGTCTCAGCACATCTCTCAGATGACCATGTCTGTGCCCGTTAGCTACGGTA
CATTCGTAATGGGGAAAGAAAACGCCGTTACAGCCATCGCCTATCAGGCTATTATGGCTGACTTCTCTAA
CTATACTAAAAACGTGGCCACAGAGACCCAGGACCAGAACAAAAAGAGTGAGATTTTTGAGAATCAGACA
CAGCATGCTGACCTGAAGACGAATATTATTCAGCTCTCCGACAAAACTGTCGTGCTGGATCATCTGAAGA
AAGTGTACAAAAATACTAACATAGAAGATCCCTTGGAGCAGAAACTGGAGCTGACTTTCTTCTTTCCCAT
GGGACTTTACATTTCCAAGGACTCTGGCTTCTCCACCATGGATAGCCGACTGAAACTGAACGACACCATG
GAGAATAACCTGCCCACTAGTATATACTTTTACAACAAGGATAAGCTGCTGCAGCGCATCGACTATTCAG
ACCTCCTGCCTTCTCTTTGTCATCCGATTATCTTTGACTGTAGCGTTTCCGAGAGAATATTCAAGAACGC
CGCGAAGCCTACAGGCGAATCATTCAATCAACTCTGTCAGGTGGAGTTCGTCCGCGAGCCACCCAGTACC
TTTCTTTCCAACTTGTACAACCTCTACGAGATGAAAAAGGAGATCCCTAAGACTACAAACATGCTGAAAA

View online »

ACGAACTGACCACCGAAGATTTCTATAAATCTGAAAATTTCACGCTGAAGACTGAACTGCACCCCTTCTT
CGACTTCACCTACATCCAGAAGAACAGGTCTACAGACGTCCTCTGCAGCCCTCGGATCCTGCTTGGTAAC
ATCCCGCTTCCCCTCGCTCCCTCTTCCTTTCACGAGGCCAGAACTAATCAGATGATAGAGCAAGCTAAGA
CAAACAACCTGAACTACGACTACACCCTCAAACTGGTCGTCGAGTCATTGACCAATACAGCCTACCCAGA
GCTCGCATACATCATTGAGCTGCTTATACATGGTAACAAGACCGCATTCCAGATCCTTAAAGATGTGGTG
AGCCAGTGTATCACATACTGGTATAACATCAAGCATATACTTCTTTTTTGTAACAACTTTGAAATGATAT
GGCTTATCACCACGTACCTCGGGGATGAGTCAATTCCCGGCATCGCGTACACTCACTACAAGAACATCAT
TAGCATACTCAAACTGGTCAAGCGGACAATAAGCATCTCCAACTTCAATGAGCAGTTGTGCGGCGAACCT
CTGGTTGGATTTGTCAATGCCCTCTTTGATAACCGCCTGTTCCCGCCATTTCTCAATTCTCTTCCCAAGA
ACGAGGCAAACGCAATAATTACGGCCGGGAACACACCCCTCACTCAGAATACCGTTAAGCTGAGAAACTA
TGAAGTCTCAGACCTCAATCGGATGAACCTCTTGGATTCTACCGAGATCTTTACTGATGTAGACCGCCCA
TCCTTCGAAACTATCGTGCTCTCCAAAATCTTCTACTTTTGCTTCCTCCCAGCTCTGACAAACAATAAAA
TGTGTGGGGCTGGATTCGACGTTAAGTCATTTATCCTGGACTTCTTCTACACGGAGCCGTTTATTCTGCC
CGATGATAACTTTTGTGAGCTTCCGATTACAAATAACGTGCTCATCGAACTGATCACAGAGGCAGTGGGA
CCTTCCCACGCCCTCACCGACCTGAGTTGTATTGGGAAGCAACTGTTCAAGAGCATCCTGTATCTGACGG
AGAACACGAAAATCCTCGAGATAGAGAGCAGTCTGGATCCTTCACAGAGACATGGGTCTTCCTCAAACTT
TAAGTCCCTGCAACACGTCCTGTATAATGGGCTGTGCCTTGTGTCTCCCATCAACGTCCTGAAACGCTAC
TTTAAACCTATACCCTTCAATCGGTTTTTTTCCGACCCGATCATTTGTGGCTTGATGAATATTGAAGTTC
AGACATACCTGAACATTTTTCCCCACTATCAGCGCAATGATGGCGGTTTTCCACTTCCCCAGGCGCTCTC
ACACGAATTCCATAATTGGCAGAGGACGCCCTTCTTCGTGTACGCATCATGCTGTAGCAACAGCCTCCTG
AGCATTATGACCCTGGCGACCATGCATTGTAAACTGTCCCCTATAGCCATCATCCTCCAAAGCCGCCAGA
AGATACACCCAGGGTTCGCCGCCACACTGGTTAGGACCGATTGCTTCGACATCAATTGCCTGCTTTACTC
ATCTAAGTCTGCCACCTCCATCATGATCGATGACCCAACAGTTAGCACTGAAGTGAAAGACATTTCAACA
ACATACAACCTCACTCAACACATTTCTTTCCTGGATATGGGACTGGGATTCTCTTCTAGCACCGCTATTG
CCAACCTGAAAAGGGTGAAGACAGACATGGGTAGCAAGGTTCAGGATCTGTTCAGCGTATTTCCTATGCA
TGCCTACACCAATCCCACGGTAAATTCCTGGGTTAGACATCATGTCGGAATCGAAAAACCCAACCCTTCA
GAAACCGATGCACTGAATATTTTGAGCTTTGGAAAAATCAACAAGCAGAGTCAATCTATTCTGCTCCACG
GGCAGCAGGCTATATGCGAGGTCGTCATAACTCCCGTAACCAGCGACATCAACTTTTACAAAACACCCAA
GAACCCGCGCGGCAGAGCTTCTTGCATGATGGGGGTGGACCCGCATAACGAGAGCGAGGCCCGGAAGTCC
CTTTACGATCATTCCCGGGTGGATTCCGACGCTTTCGTCGCAACTACTAACCCATGGGCCAGCCAGGAGG
GTTCCCTGTCTGATGTGCTCTACAACATAAATCACCGAGATCAACTCGGCTATAATCCCAAGTCCTACTC
TCCAAATGCTGTGTTCTTTACGGACACAGAGATCTTTAAGACCAACAAATTCATGTTCAAACTGATCAGT
GATTACAGTATCAAGACTAAGACCTGTCTCGACTCTGACACCGACATACAGTACTCTTGTAGCGAAGGTA
CAGACGATGTGACGCATCGGCCTTGTCAGTTTTTGCAAATCGCCTTCCCCATTCACTGTTCATCTAACCA
AGCCCTGCTGGAGTCTCGAAGCAAGAACGGAATGACACAGCTTTCCGAGACCCATTTCGCTAATTTTGCC
ATCGGTGAGTGTATACCCCTTCAGAATATAATCGAAAGCCTGCTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

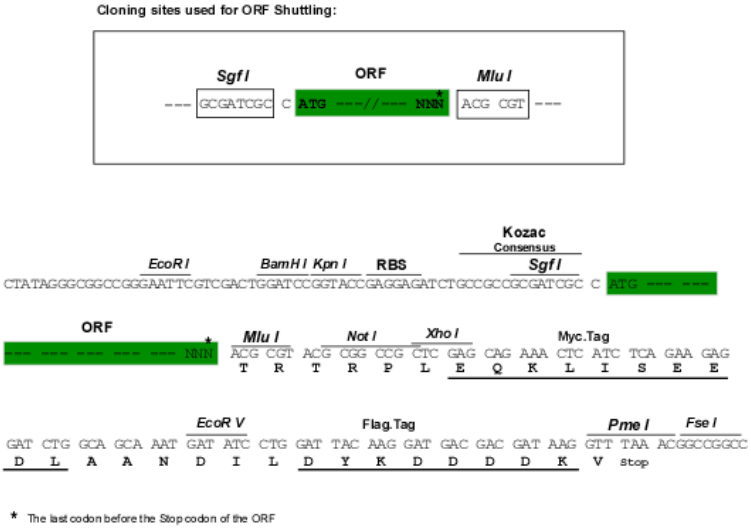
>VC101599 representing YP_073799
Red=Cloning sites Green=Tags

MENWRTAEIFPKLDVSPNVFDDIRTQTAEQLFENLRLYYGDDSDRYNISFEALLGIYCNRTEWIDFFHTS
IAVAANVIRFNDLDKMSLGKILFYIQLPRVATGNDVTAPKETTVLVTKYSEKHPINISFELSAACLAHLE
NTFKNTILDQMLNINAIHTVLRSLKNSADSLQRGLIYAFIKTILKKAPPQFILKTMLENKVNSKQILSKV
QRSNMFQNFKNKLINSLFFLNRTSNVSFIYRYLCEMVDSTTESILNNTNSYVLKDGTPINGVLLGTPNTI
QILSNALSQHISQMTMSVPVSYGTFVMGKENAVTAIAYQAIMADFSNYTKNVATETQDQNKKSEIFENQT
QHADLKTNIIQLSDKTVVLDHLKKVYKNTNIEDPLEQKLELTFFFPMGLYISKDSGFSTMDSRLKLNDTM
ENNLPTSIYFYNKDKLLQRIDYSDLLPSLCHPIIFDCSVSERIFKNAAKPTGESFNQLCQVEFVREPPST
FLSNLYNLYEMKKEIPKTTNMLKNELTTEDFYKSENFTLKTELHPFFDFTYIQKNRSTDVLCSPRILLGN
IPLPLAPSSFHEARTNQMIEQAKTNNLNYDYTLKLVVESLTNTAYPELAYIIELLIHGNKTAFQILKDVV
SQCITYWYNIKHILLFCNNFEMIWLITTYLGDESIPGIAYTHYKNIISILKLVKRTISISNFNEQLCGEP
LVGFVNALFDNRLFPPFLNSLPKNEANAIITAGNTPLTQNTVKLRNYEVSDLNRMNLLDSTEIFTDVDRP
SFETIVLSKIFYFCFLPALTNNKMCGAGFDVKSFILDFFYTEPFILPDDNFCELPITNNVLIELITEAVG
PSHALTDLSCIGKQLFKSILYLTENTKILEIESSLDPSQRHGSSSNFKSLQHVLYNGLCLVSPINVLKRY
FKPIPFNRFFSDPIICGLMNIEVQTYLNIFPHYQRNDGGFPLPQALSHEFHNWQRTPFFVYASCCSNSLL
SIMTLATMHCKLSPIAIILQSRQKIHPGFAATLVRTDCFDINCLLYSSKSATSIMIDDPTVSTEVKDIST
TYNLTQHISFLDMGLGFSSSTAIANLKRVKTDMGSKVQDLFSVFPMHAYTNPTVNSWVRHHVGIEKPNPS
ETDALNILSFGKINKQSQSILLHGQQAICEVVITPVTSDINFYKTPKNPRGRASCMMGVDPHNESEARKS
LYDHSRVDSDAFVATTNPWASQEGSLSDVLYNINHRDQLGYNPKSYSPNAVFFTDTEIFKTNKFMFKLIS
DYSIKTKTCLDSDTDIQYSCSEGTDDVTHRPCQFLQIAFPIHCSSNQALLESRSKNGMTQLSETHFANFA
IGECIPLQNIIESLL

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NC_001716

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:	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_073799
RefSeq ORF:	4035 bp
Locus ID:	3289517
MW:	152.9 kDa