

Product datasheet for VC101530

U95 (NC_000898) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	U95 (NC_000898) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	U95
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC101530 represents NCBI reference of NP_050270 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCCTCAAACCTGGAAGACCTCCTGTGGCAGCAGATCCTGAGTATGGATCCCAGGAACTGCTGAGCG
ACAATGCCATATCCAGCACGTGTGACGAAAATATCGCCCGGGGACCACCTTTACCCAATCACCACAGT
TGAAATGAGCGTGCAGTCTACAACGTGACCCGGACACACAGGCGTAATGACGACACAGTACAATTTAGT
AATGGAGTACCGGACGAGAATCGCGAGTCTTGGACACACTGACCGGGTTGAGCTTGAATCCATTAATA
ATCAGATCAATGTCCAGCCTACTCAGATGACCTTCCAGCCGATTTCCCGCCTATGCAGGGCCAGAACTA
TGTGTATTCAAATAATATGATCAACCCATTAAGCCCGGTCTATCATTAAAGTCCCATGGCCATTCCATG
GGGAAATGTCCTTTGCAGACCACTCTCTGTACGTTAACGCACAACCCCGTGAACAACCCACAGCTCA
AATCACTGGTGGGCATGCATCCTTGATGACTGCTACATCCCAGGGCAAATCAAAACGAATAAACAGT
GGGACCCCAAGCATTTCGCCAGCCAGATTACCACTGGCAATGCTGGGATTAGACCAGGGGAGTATCAG
AGTGTCCATAACCAGAGCAGCGTCAACGGCAGTAAGAGTTACGAAATAACTACCGCTAGTGGCAGCAAT
GGATCCTGACCACACCCGGCGCCAGAGCTGGACACTTAAGAGAAATCCTCCTAATCCCCAAATAATAG
AACTAACTCCGTGCTGAATAAGGCTCAGCAGGTGTCCCACGCACAACCTTACGTTAGCGGATCTAGTAC
GGCTTCTACCAGGGAGCCGCGCTGCAGTATGCGCCTATGTGAATACCCAGGATTACAGCCCGTGTGCG
AGACGCAGAACATGAACAACAGTCAGGCCACCCAGCTGAGCGCATCAATGAACTGCATAAACGCCCTGCA
GACAACCATGGACGCGATCGTTACGAGCACCAGCAAACCCGTGGGCGCCGTGAGCAACAATCGCGGAGCC
AATTTTGGAAATGGGCGGCATGGAGAATTACATGGATAACAACCTCCCTTGGAAACCAAGTATTGTAAGGTAC
AAGACATAGTTTCAAAAATTGTAGCCAGGGTAAGGTGGTGGAGCAGTACCCCTGGGATTGCGCCTAACTT
GATGAAAGGGAATGGATTGAACGTGTACGGGCAGTGGTGGTGGACGCGCCATTTCCGACAAGCAG
GGGGAAACAGCTAACGTGGCCAGCTCTGTCTCAACCCGGAGCATCAGGACTGGATGAGAGTACACGGGAA
CCTCTACCAACCTCCTGAACAACATCAATGCCGAGACTAAAATGGAAAACCTACGGCTTCCAGAAAACGG
AAACGTCATGGGCGCGTAAATACCGCCCTCCCACTGACTCTCTTTCAGGTGAGCATATACCTCCGTA
CCCCAGCACGGGGCTTGTGAAGGAACGGAACATTCCAGTGGTGCAGATCTGCTCTCCTAATACGGCTT



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TTAAGGCTCACTACTCCTTGCTCGGTACGGTCGATGAGAACAACCCCTCTCTGTGCGGGAATCAATTCA
 GGACACGTCTTTTAGCAACGGCTGTGCTCCCGAGTTGAGCTCTCCTGGGGGAACCCAACAATCATAGCC
 CACAGTATGATAGGCAATAACGGCACGCCAACAGGACGTCTGTAAGCCTACTCCCTCACTCAGGGCAA
 TTAATAAACTGAATTTTATTGATACGATGATCGAGGTGAAAAATTGGCTTCCCAAGCAAGCTGGCCGCCCT
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 GAATCACATCAACAGAACGCAAGTGAGGGTAAAATATCTATCGCTGATCTGGAATTCTCTGAAGAAGACG
 ATGTCTGAGTTCGCCCGCTCCGTGCTCCTGCAACGACAACCTGCGTCATGAAAATTGGTCTAGTCAACA
 AGGGACGACCCGTGGCCGACCTCCAACAGGGCTTTAAACAACAGATGAATGGGGAATTCAGCATGTTTCGCT
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 CAATAAGGCAGAACAAACGGATGCACTGCGAGATTGGGATCTCTGAAGATGGCCGCTCAGGGAGGAAGA
 GAAGTGTCCGATGTAGCTATCCACGTTCCAAGAAAAAGCGCAAGGATTCACAACATGAAGAGCGAGGGC
 GTCACTTGCAGGATGTGCGTCACGGCTGCCACTCTACAAGGCAGGATGCCAGCGGTGGGAGCAGCTCAG
 GAACAAAAAGGGCGAGAAGCTGCAGGGCTGTGGAAAGGATACCAAGACGACGATGACTCCGAGTTGAC
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 CCCCACCGTGTTCATGGGTGGACGGAGAAGACGGACCTATCTCAGAAGAAGTGTGACGAGTATCGGCCCA
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 GCATCGGCTGGCCGCTAAGCACCGGTGTACATCATGTCTGAGGAAAACTTGGTTATAATCACATCCC
 TACTCTCAGAGAAATGTTTCTTCCACCGGGATGGATGATAGTTCTCGGAATTGTGGCAGTGAAGT
 CCTGCCGCGCTGTATAACATATGGTGGTGTGCTGTGCGAGAACAAATGGTCTGTGCACAACCTACC
 GAGATAGCAAGCACGAGCTGTACTTTGCCGCTCTGATCTGAAGCAGTTCATGGAAGAGGGACTTAGCAG
 ATGCGACTGCATTTACTACGAAAAGTCAGTCCCATACGGTGTGGCCATGGAAGATTCCGTCAGGGAGTTC
 CTGAGAAACTCTAAGACGTTTCAGTCTCTGATGGAGTACCGCAAAAACATGCACGGAAGCACTTGGACAT
 TCAACGGCATGCCAGGCCGGCTGGGGGACCGCTGATTATCTGCAACCCGAACTGGTTAACTCCAT
 CCCGGCGGATGAGGCCATACGGTACGAGGGAAAGCCGCTGTACTTCTTTGCATTTGTTACCACGTTTAAG
 TCACATCCCGTTCCAAGGCGAACGTGCTTATCGCGGCCGACAAAAACCTGGGTATCTATGGCTATCATA
 AAGGGCGCCACGAATTAGATATCTCTGTAAGAACGTACAGGCTTTCTTTAGGGCAGGAGTGCAGCAAGAT
 GTATCTGGATTATGAGATCCCGAGCAAGACCCTCCTGGCGGTGCCGAAGACGACTACCTTTGTATCCTG
 CAAAAGGCCCATGTCTGCTTCTTAAGCCAGCGGTGTTCCGAAGACCTTAGTCAAGAAGGCAAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >VC101530 representing NP_050270
 Red=Cloning sites Green=Tags

MSSNLEDLLWQQILSMDPAELLSDNAISSTCDENIAAGHHFTQSPHVEMSVQSTTSAGHTGVMTTQSQFS
 NGVRDQNRSLSTLTGLSLESINNQINVQPTQMTFQPISPPMQGGQNYVYSNNMINPIKPRSIKSHGHSM
 GEMSFADHSLYVNAQPPVQQPQLKSLVGMHPCMTATSQGYQTNKTVGPPSISASQITTNAGIRPGEYQ
 SVHNQSSVNGSKSYEITTAGSDEWILTTPGGQSWTLKRNPPNPPNRTNSVVNKAQQVSHAQPYVSGSSD
 GFYQGAALQSCAYVNTPGFTPVCETQNMNNSQATQLSASMNCINALQTTMDAIVTSTSKPVGAVSNNRGA
 NFGMGGMENYMDNNSPWNYQCKVQDIVSQNCSQGKVVSSSTPGIAPNLMKGNLNVYGHVGCVDAAISDKQ
 GGTANVASSLLNPEHQDWMRVGTSTNLLNINAETKMENYGFENGNVHGAVNTALPLTLSSGQPYTSV
 PQHGACEGNGTIPVVQICSPNTAFKAHYSLLGTVDENNPLSVRESIQDTSFSNGCAPQLSSPGGNPTIIA
 HSMIGNNGTPNKDVCKPTPSLRAIKKLNFDYDDRGENIGFPSKLAALLSMGENMSKMDNPCYGTSLAQFE
 ESHQONASEGKISADLEFSEEDDVLSSAASVSCNDNCVMKIGASQQGTTVADLQQGFKQQMNGEFSMFA
 VDGNIKTQEMSNDCASNVTDNACAIRQNKRMHCEIGISEDGRVREEEKSDVAIHVPRKSARIHNMKSEG
 VTCGMCVTAADSTRQDASGGSSSGTKKGEKQLGLWKGYQDDDDSELTDELSDTSDNDVQNGHVRKTGSK
 TYSSVFFNPDYRQAKRLLADIPYRRWIPDTFNMEHEGPFLLPIVTRPPTVFMGGRRRRTYLRRSVTSIGP
 LSKLTYFKELLQSYVLRNSNCYLSIGWPAKHRVYIMSEELGYNHIPTLREMFLPPGWMIVLGIYVSET
 PAALYKHMVLLCENKWVLLHNYRDSKHELIFAASDLKQFMEEGLSRCDCIYEKSVPYGVAMEDSVREF
 LRNSKTFQSLMEYRKNMHGSTWTFNGMPGRLGDRVIHICNPELVNSIPADEAIRYEGKPLYFFAFVTTFK
 SHPGSKANVLIADKNLGIYGYHKGRPRIRYLCKNVQAFFRAGVRKMYLDYEIPSKTLLAVSEDDYL
 QKAPCLLLKPAVFRKTFSEQEK

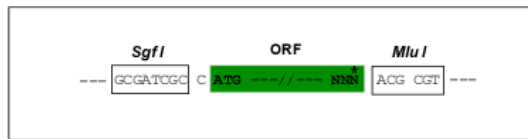
TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NC_000898

ORF Size: 3636 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_000898.1</u> , <u>NP_050270</u>
RefSeq ORF:	3636 bp
Locus ID:	1497091
MW:	133.1 kDa