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Product datasheet for VC101436

U95 (NC_001664) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	U95 (NC_001664) 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 VC101436 represents NCBI reference of NP_042988 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s) GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGAGTGCTCACCCGGACGATCTTTTCTGGCAGCAGATATTGAATATGGATCCTACAGAGTTGTTGAGTG ATGATGTGATCAGCAGTACATGTGATGAGAATACTGCAGCAGGGACAGATATCATGCAGCCGCTGTGCGT GGATATGAGCGTACAGCCTACAACTAGCGGCTGCCATACCGGTGCAATGATGTCTGACAGCTACTTTTCT AACGACACCCCGGACCAAAATTGTCAAAGTCACTCCACACTCACGGACCTGTCCCCTGAGGACATGAACA ATCAAATTAATGTGCAACCCAATCAAATGACCTTTCAGCCTATCAGCCCCCCCATTCAGGATCAAAATTA TGGCTACAGCAACAATATGATAAACCCAATCAAGCCAGCTTCCATAATCAAGCTGCACGGTCACTCTATT GGTGAGATGACCGTGACCGACCCAAGCAGCCACGTGAATGCACAGCACTTTGTTCAACAGTCAAATCCGA AATTCTTTCTGAATATGTACCCCTGCATGACTGCCAATAGCCAGGGTCCCGGCGAGTGCCAGAGCGTGCA CAATCAGTCTAGCGGGTCAGGGAGCAACAGTTACGATATAAACACAGCGCCCAGAGATGAGTGGATATTC ACTACTAGTGGAGGAGAATCCTGGGTGCTGAAACGGAATACCCCGAATCCACCCAACTCTAGGACAAATC TGATCTTTAACAATGCCCAGCCCATCTTCCACACCCAGCCCCAGGTCAGCGGCTTTTCCGACTGCAGTTA TCAGGGCGGCGGCCTGAATTCCCGCGAGTATGTAAACCTCGCCGGCTACACTCCAGTTTGCAACATGCAG AATATAAAGAATTCCTGGGCTACACAGCTGGGGGCTTCAATTGATTGCATGACCGCTTCTCCCACCGGAA TTGACGCTAATGTGAACTCTGCTTTCCAGCCGGTAGGCGTAGTTAGCAACAATAGAGGCGCTAATGTCTC AATGGGCGGTATGGGCAACTATATTGAAAACAACTCACCCTGGAATCAGTACTACAAATCAGAGATGGCA AACAACTCCATAAATGTCAAGGAAAGCAACGTATACGGTCACGTGGGGTGTGTCAACGACGCAATCAGCG ACAAACAGGGCGGCACCGCAAATGTGCCATCCTCCCTCCTCAACCCTGACCATCAGGATTGGATGAGGAT GACCGGAACCAATACTCACATGCTGAACAATATCAACACTAACACCGAAATGGAGAACTACGATTTTCCC GAGAATGATGGAAACGTGCACGGGGCAACAGGTGTAGATCTTAGTACGCTGTCCAACGGACAGCAGCACA GCGCTTTCGAGGGCAATGGCACTTTCCCAGTGGTTAATACAGGCAACCCAAGGACCACACTCAATTGCGC CCCTCAGCTGTTTTTGCTGGGCGGTAACCCTACCATTGCACACCCAATGAATGGCAATAACGAAACTCCC GACAAAAATGTGTGTAAGCCTACTCCATCTACTGGGGTCATTAAGAAACTGAATTTCGATGGAGTTGATA

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GGGGCGGAGGTATTGGCAACTTTCCTAAGCTCGCTAGCTTCGTGGCGATGCGCGAAAAGATGAGCAACAC
AGTTAATCCCTCTTGTGGAACCTTCCTGGAGCAACTTGAAGGCCTGCGACAGCAGAATAGTTTTGAAAAA
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ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

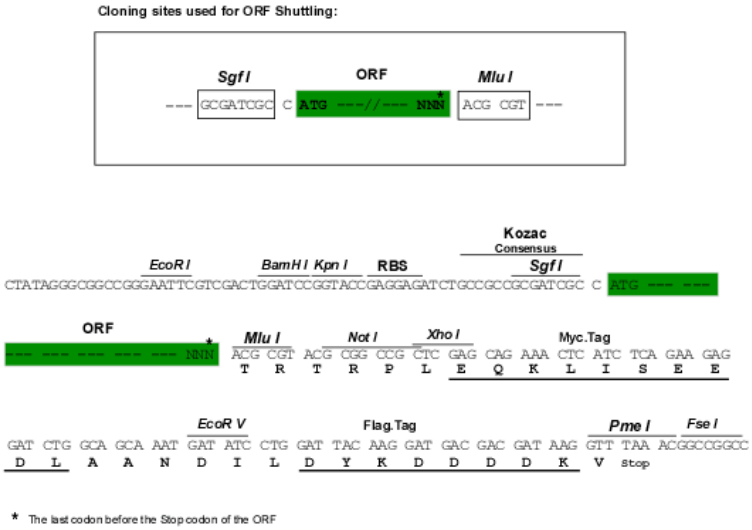
>VC101436 representing NP_042988
Red=Cloning sites Green=Tags

MSAHPDDLFWQQILNMDPTELLSDDVISSTCDENTAAGTDIMQPLCVDMSVQPTTSGCHTGAMMSDSYFS
NDTPDQNCQSHSTLTDLSPEDMNNQINVQPNQMTFQPISPPIQDQNYGYSNNMINPIKPASIIKLHGHSI
GEMTVTDPSSHVNAQHFVQQSNPKFFLNMYPCMTANSQGPGECQSVHNQSSGSGSNSYDINTAPRDEWIF
TTSGGESWVLKRNTPNPPNSRTNLIFNNAQPIFHTQPQVSGFSDCSYQGGGLNSREYVNLAGYTPVCNMQ
NIKNSWATQLGASIDCMTASPTGIDANVNSAFQPVGVVSNNRGANVSMGGMGNYIENNSPWNQYYKSEMA
NNSINVKESNVYGHVGCVNDAISDKQGGTANVPSSLLNPDHQDWMRMTGTNTHMLNNINTNTEMENYDFP
ENDGNVHGATGVDLSTLSNGQQHSAFEGNGTFPVVNTGNPRTTLNCAPQLFLLGGNPTIAHPMNGNNETP
DKNVCKPTPSTGVIKKLNFDGVDRGGGIGNFPKLASFVAMREKMSNTVNPSCGTFLEQLEGLRQQNSFEK
NISFADLHFSEEDDVLSSASSVSCNSNCDMKIEVSQQGITVSNLQQGFRQQMNMNSSVVKMDGSYKTQEM
SNGCATDVTDNAGTIQQNKRIHSQNENPEDGQVREGGCSDVRNEPPRKSARIHNMKSEGVTCGMCMTAAD
STRQDASGGSSSGTKNEYYDDESELTGLSDTDSDNEVQCCQEVTKVGPKTYSSENFNPEYRQAKRLLADI
PYRRWIPDPVNMEDNDGPFIPIVTRPATVCMNGRRRRTFFRQCVTAFGPLSKLTYFKELLQSYVSKNNNS
YLSISWPPKHGVYVMSEKKLGYEHIPTLKDKFPLPCGWMMVLGVVGAEPPAALNKNMVILLCENRWVLLH
NYSNSTHELFLAASDLKQFMEEGLSRCDPIYEESTVPYGVAMENSLRDFLRNSRTFQDLMDQRDNMHGCN
WTFNGMPGRLGDRVIHLCNPESVDSIPGDEAVVCEGRPLYFFAYVTTFKSNPATKATVLIAADKDLRIYG
YHKGRPRIRYLCKNVKTFFKAGARKFYLDFQITPKRLLAVNEEEYLNTLQNAPCLLLKPSVFRNIYSQEG
K

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NC_001664

ORF Size: 3363 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_042988
RefSeq ORF:	3363 bp
Locus ID:	1487971
MW:	124.1 kDa