

Product datasheet for **VC101624**

U90 (NC_001716) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	U90 (NC_001716) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	U90
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC101624 represents NCBI reference of YP_073824 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**

ATGGAGCGATCTGGGGCCACCAGCCCCATGCTCATCGTTGGTCAACCAAGCGAGACTATGGCATCCAACGACGAGAGGCATATAGAGTACCACCCCGACACAACCGTGGAGGAGACGATTAGGGACATTCTCCAGGACTCTTTGAAGTGCAACCCGCTTTTCGATAAATACTCTGTTCCAGGAGTTGGATTCCTTTGATTTCTTGGATTCAATTTCTAGCAATGATATTGCCACCGCAAATGCTAGCTATAGTACTAATGTCGAGGAGGGCGCTTCCCTCTGATATTAATGGCTGCCGCACAGAGCATCAGCGCCTGCATTCAGGGAATACTGAAGTCCGTTAATGCAGCTATGGATCAAGAAAAAGCCGACATTGAGGATTGTCTCATAAACCACGCCGACATTCTGACTAACGCCGCACATGCTGACTGATCTGGCCCTGGAGCAGCTCAGTCAGATGCTGAATGTGAACCTGATTAGCGGCGCAA GCTCTGGGTTTCATCAGCTTCTATGAGGATATACTGTCTGGGGAACAACCTGGAATTCTTTCTGTGGTGTGAGAGTAGATACTGTCTATGCATGCGACAAATTCGACGAAATAGTCAAGAAAGTTATCGCCGACTGTAGGGAATATCTGTCCGACCTCAGGAACAACATGGATAGGGAATTCATAAAGTGCATTAAGAAAATCATCTCAA TGGGTAATTTCAATTTCTCTAATGAAAACTGAACAGGTGTGCCACTATGCTGCTGATGATGGGAAAAA TAGAGACATAACTGACATCAACATAAGCAATCAGGCATTTTACATCAAGACAAATAAAATAAAAAAGAT CTTTTGGAGTGTAAATTCGAGATAATCGAAAAAACAGCCGGATCGCCCAACAATGAAAGACTTTGCTA TCAACAAATGAATCAAATGTTTATGTCTATGTGTGATGAAACCTTTCTGAAGATTCACTTTAATTGTAT TAACCTGATCGAAGCCGCAAGAATCTCGGCGCTGCCGTGTTGCAGTGCATCGTCATTTGCAGCAAGGAA TTCAGTTGTAAGTTTCGGGCTAACCGGAAGGAGTTCAAGATCACTCTCATGCACATGATCAACGATG CTTGTGATCAGATCGAAAAGCTGTACGATGTTACCGGCGAGGTGACCGTGCTGAATAGCATCTCCATCCG GAATGGATATGTCACAGGCAATGGTCACCACAGCTCAACCCTGCTCGAAAGCCACCTGTACAACCTCAGAC AGCAGTCCGCCTGAAATCGAAGATTTCAACGACTATGGCAAATATAGCGAGGAGTGTAGCGAGACCAGTG AGCAGAGTTACCAGTCTGTGCACCAGAAGCTCTACCGACCAATGTGTGTCAGTAAATCCGAGCAGTACAA CGTCCAGTCTAATTTCTCTGACATCTGTGACACTATTAACAACACTTTGGCAGTGTACAAAGCCTCCGAC GAATCACATAGTAAGAATACGACAGGAAAAATCCAGAAGTTTGTACTCGGGAGTATAAACTGGACTTTT



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TCGAAGAGATCGACACTCAGAACCTGGCGAAGAAGGTAGTTTCCAAGGACTCCCCTGACTGCCTGATGTA
CCCAGCAGAAACAAACCCCGGCATGAGCACTGAGGAAAGCGAAGTTAATGTCAGCGAAGGAACAGATACG
CAGGACTTCTCACGCAATACGATATGCCGATTCCTGAGCGACAATCCAATTATCTCAGTCGAAAAAATT
CAGAGGTGAATGCAATAAAGAACGAGACCGGACTTTCTGAGGCTGCCGCTACTCAGGATTTCTTCAAAGA
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AACAGCAGAAGGTGAGCAAGAACAACGAAGCTTTAATATGAGCCTCTACAACCTGAAGCGCAATGAGG
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TAAGAAGACCGACAACCGGCCGGAATCCTGATGGAGAGGTCAGTGACCGAGGAAATTTGTGTAATAAC
TCTCTCACTTTTTCAAATGAATTCACCCACATTCTCTCGGACAGACAAAAAGACAAAACCTCCTGCAG
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AATAGTACGTTTTTCATCAGTGTCTTTCATCTTCTGACAGTACGACTACGGCCACGATTTCTCTG
CCGTGAAAAAGAAACAGCTGAAGCGGAAGTCTGAGTCCAAGTTGAAGACTTCAAAGCCAAGAAGAAGAA
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TCCAACCTCAACACCGAGATGAGCACCGATTCCATCCCATACAGGTCCAAGCTTATCAACAACAGTGACA
ATTGCGAGAACAATGGATTCCCCTCTGTGGTGTTCACGATACCAATACGGTCTATTAGAGGAGTAACCTCG
AGGCGTGAGAGTAAAAATAGTTCCAAGAAAAACTGCCTTTGGTTTCTGCGAAAGACGCACAAGGTCAAC
ATTCCAGATACCGGGATGAAGAAAGATGAAAAAAGGAACCTCACAAAGCAAGCGTCTACTGCTTCAACA
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TGGGAAGGAAAACACCGATTCCGATCAGACCTATGTCGATTTTTGGAGGGCTACCCTCAGGATATGAC
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGAT AAGGTTTAA

Protein Sequence: >VC101624 representing YP_073824
 Red=Cloning sites Green=Tags

MERSGATSPMLIVGQPSETMASNDERHIEYHPDTTVEETIRDILQDSLKCNPSPFDNTLFQELDSFDLDS
 ISSNDIATANASYSTNVEEGASSDIKLAQAQSIACIQGILKSVNAAMDQEKADIEDCLINHAGILTNR
 HMLTDLALEQLSQMLNVNLISGASSGFI SFYEDILSGEQLEFFLWCESTRYTVYACDKFDEIVKKVIADCR
 EYLSDLRNNMDFEIKCIKKIISMGNFISISNEKLNRCATMLLMGKNRDI TDINISNQAFYIKTNKIKKD
 LLECKFEIIEKNSRIAQTMKDFAIKQMNQMFMSMCD ETLKIHFNCINLIEAAKNLGA AVLQCIVICSKE
 FSCKKFRANRKEFKITLHMINDACDQIEKLYDVTGEVTVLNSISIRNGYVVTGNHHSSTLLESHLYNSD
 STPPEIEDFNDYGKYECCSETSEQSYQSVHQVNSPTQCYSKSEQYVQSNFSDICQTIKTTLAVSQASD
 ESHSKNTTGKNPEVCTREYKLDFFEEIDTQNLAKKVSKDSDPCLMPAETNPGMSTEESEVNVSEGTDT
 QDFSRNTICRFLSDNPIISVEKNSEVNAIKNETGLSEAAATQDFK EATMKSCRDTKADQILTGQRKTIK
 NKQKVSKNNEAFNMSLYNLKRNEETYQDKNSLNF SNEFPHTTFSRRDKKTDNQAGILMERSVTEEICVNN
 SLTFSNEFPPTFSRTDKKTN SPAGILMERSIFNKDTQDKEQYFELFTMTNHTLDNQNGHNLSEDKTDVK
 IKTDKSLSGQEEMIKNKQSVSQGNKTSNVNFHNLNRNENKYKDGKDLIIPDKFPNETFYIRDKKKDI STN
 RAVERSTADVDTESDVEKVAEGLILLEQNSNNSRDTDN TNLVI SEMETGYD TDKSTIYESESSSTDT
 NSTFSSVSLTSFSDSQT AHDFS AVKKKQLKRKSESKLKTSAKAKKKLIVKEGCNME LNSCTDTDNEM
 SNFNTEMSTDSIPYRSKLINNSDNCENNGFPSVVF TIP IRSIRGVTRGVRVKIVPKKNCLWFLRKT HKVN
 IPDTGMKKDENKELTKQASYCFNNHFIP IRSNDEEYRRENVSYIFPKLQENFIEVDSISETKMTMVTNIIM
 DNFMEIITEMIKNGINRHYEELKKRYANKNVSEMSNF ILEQSVDTQNYGKENTDSDQTYVDFLEGPQGYD
 PFL ENAQIY

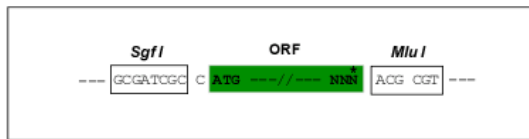
TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NC_001716

ORF Size: 3597 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:	NC_001716.2 , YP_073824
RefSeq ORF:	3597 bp
Locus ID:	3289542
MW:	136.5 kDa