

Product datasheet for **VC101433**

U90 (NC_001664) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	U90 (NC_001664) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	U90
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>The Viral ORF clone VC101433 represents NCBI reference of NP_042983 with codon optimized for human cell expression
 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAGCCCGCCAAGCCAAGTGGAAATAACATGGGGAGT AATGACGAACGCATGCAGGATTACCGACCCG
 ATCCGATGATGGAAGAGTCCATCAAAGAGATACTGGAGGAAAGCTTGATGTGTGATACCAGTTTTGACGA
 CTTGATTATACCTGGGCTGGAGAGCTTCGGCCTCATCATTCTGAGTCATCCAATAACATAGAAAAGTAAC
 AATGTGGAGGAAGGGAGTGTGGAGAGTTGAAAACCTGGCCGCCAGTCTGCTGGCAATTGTATACAGT
 CCATTGGTGCCTCCGTCAAAGCGCGATGAAACAAGAGCAGTCTGACATGGAGGACAAAATTATCAAGTG
 TGCCGGCTTGTGACTCAGCAACAGAGTATGTTTCATAGGTCTGGGGCTCGAACAACTGAGCCAGCTGATC
 AACATCAATCTGCTCAGCTCTGCCAGTACCAAACGTTGAAAGCTATAGCAAGATGCTGCATGGAAAAG
 AGCTGGATTTCTCAATTGGTGTGAGCCTCGCTTTATAGTCTTTGCTTGATAAATTCGACGGGTTGGT
 CAAGAAAGTGGCCTCCGAGTCTCGAAACCTCCTCTCGACCTGAGGGCAAACATGAACAACGATATTATC
 AAGGCCGTGAAAGACATCTTCAGCAAAGCTACCGTCACCTTGGACTGTCAAAAACCTTAACCAAGGAGCTA
 CCATGTTGATGATGATGGCACATAATAAGGAAATGAGTAATCCCGATATCAGTTCCAAAGACTTTTGCGA
 AAAAAATTAACGCTGAAGCAGACACTCCTGGAGGAAAGAAATGAGATTGTGGAGACCAACGCTAAGAAC
 ATGCAGATCCTCCAGACCTTCGCCATTAACAAATGAATCAAATATTCATGGATGGATGTGATAAGGCCCT
 TCTTGAAGTTGAACGTCAACTGTAAAGATTTGATCACCGCGGCCAAAAATTTGGCTAACACTATCCTCCA
 GTCAATTGTGATCTGCAGTAACGAGTTTTCTTGGCAACATCTCAAACCTCCTGCGCCGGGTTTTAAGGTT
 ACAATGTGAACATGATTACCCAGCCTGTGAATGTCTGGAATCCGATTACGACGATAACCGGTCTGATAA
 AACCTTTGACTCCTCTGCAGATCATGGACGGATACATCAACATGAACAAAAACAGGCAAAGTTCCATCTG
 TGACGAAATACTGACCCTAGCGATTCCATGATCCTTGACCTGGCTGACTTCGACGATCACGGACGCTAC
 AGTGAAGAGAGCAGCATTGAGTCAATCCATGAAGACGATGACAATAAAATGTACCCTGCACCCCAAGCC
 CCGAGGTGCCCGGCAAATCTAAGTACGTAGGCACATTCCTGAGAACAGCCGGCAATCCGGAGATGAACA
 GACCAATCCAACTGCGTCGGAACGGCCTCCGTGACAGACCTTGGAGGGCCTGACAATCTGAACAGTATA
 TCCGGCCTGCAGTCTGTAAAAACATGCTCCTGGAGCGGCTGTTGGATACACAGTGTGATTCTGTTGTGG
 AAGGGACAGAACAGGATGGATCTTATGGTAACACTCTGATTAGCGAGATGATGATGTTCCGGTATGAGAC
 TGATCATAGTGTCCCTACGAATCCGAGTCTGACAATAATGATGAAATCGACTACATCGCCAACCTCAGAT
 TCTGCCGCAAGAACCAATAATATCCATATGAACTCTACCGACGAAAACACTCCATTCTCAAACCTCAATCT
 GCTCCCGCCCGAAGTAACGCCATCCAAGAAAAACGTCAAAACCAAAGTCTATGACTCCCGGTTCCAAGCC
 CAAGAAGAGGGTGGCTAAAAGAAAAACATGTCTCTTCAAAAAGCCCTAAAAATAAAAAATAAAAAACAGAT
 CAATTGCCAAAGGCGGCAGACGTGATTGTGATCAGCAGTGAAGTCCGAAAGTGAAGAGGACGGCGATAACA
 TTATCGGAAACTCTATCCTGATCAAAGCTATTAAGTCCGAGAGCGACAGTGAAGTTCCTCTGAGAGTAA
 TGACTGTACAAGCGAGCACAAGCAGCTGCACCTGAGTATTACGATGAGGTAACAATAATGGCCACTGT
 CCCAGCTACGGGTTTCTACTCCGGTCTTACCATACCAATCCGAAGCATGCAGGGGACAGGGGGGATTA
 AATCTAAATTCATTCCAAAAAGAATTGGATCTGGTATATGAAGAAGACACATCAAGTGGATAATTGTCC
 GATCCATAAATTCGAGAACGTTGATGCTAAAGATGACAGCGATGGCACTGAAGCAAACACTGTTTTATG
 AACCACTTCGTCCTATTAACAACTGACGATGAAGACTACGATAAGAATAATGTAAGTTACATCTACAACA
 AAATACAGAACAGCAAAATTGATTACGGGGACATTATCCCTACCAAAAAGCTCATCATTGACATGGTTAT
 GGACAATTTTATGGATCTGAACGACATTATTAACAAGGGATCACAAAACACTGTCAGGACCTTTGTAAT
 AAATATAACGTTGTCACACCAACCATGCGAGGATGACCTGAACATGACTAACTCACAACATTCGCCA
 CAACAGCAACCCAGGTTTTCGATCCTCCCGTGACAGGAAATAACTCTAGTATTCTGAATATTATTAATGA
 CACAACCTCTCAAACGACGAGAACAGGTGCACAGAAGGAACCTCAAATCCAACGAGAAATGTACCAAC
 ATCTCAGATTGTAATAGCGATGGCACCGAGGCCTTCAAACCTGACGGATACCCAGCGACTATGATCCTT
 TTGTCGAGAATGCACAGATCTAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >VC101433 representing NP_042983
 Red=Cloning sites Green=Tags

MEPAKPSGNNMGSNDERMQDYRPDPMMEEISKEILEESLMCDTSFDDLIIPGLESFGLIIPESSNNIESN
 NVEEGSDGELKTLAAQSAGNCIQSIGASVKAAMKQEQSDMEDKLIKAGLLTQQQSMFIGLGLEQLSQLI
 NINLLSSASTKYVESYSKMLHGKELDFFNWCEPRFIVFACDKFDGLVKKVASESRNLLDLRANMNNDII
 KAVKIDIFSKATVTLDCQKLNQGATMLMMMAHNKEMSNPDISSKDFCEKINTLKQTLLEGKNEIVETNAKN
 MQILQTFAIKQMNQIFMDGCDKAFKLVNCKNLIITAANKLANTILQSIIVICSNEFSWQHLKLLRRGFKV
 TMLNMITQACECLESDYDDTGLIKPLTPLQIMDGYINMNKNRQSSICDGNTPSDSMILDLADFDDHGRY
 SEESSIESIHEDDDNKMPCTPSPEVPGKSKYVGTFTENSRQSGDEQTNPNVCGTASVTLGGPDNLNSI
 SGLQSCKNMLLERLLDTQCDSVVEGTEQDGSYGNTLISEMMFGYETDHSAPYESESDNDEIDYIANS
 SAARTNNIHMNSTDENTPFSNSICSPPEVTPSKKNVKPKSMTPGSKPKRVAKRKHVSSKSPKNKKIKTD
 QLPKAAADVIVISSESEDEEDGDNIIGNSILIKAIKSESDSESSSESDCTSEHKQLHLSDYDEVTVNGHC
 PSYGFPVPTVFTIPIRSMQGTGGIKSKFIPKKNWIWYMKKTHQVDNCPIHSENVDKDDSDGTEAKHCFM
 NHFVPIKTDDDEDYKNNVSYIYNKIQNSKIDSGDIPTKKLIIDMVMDFMFLNDI IKQGI TKHCQDL CN
 KYNVVVPTTCEDDLNMTNSQTFATTATQVFDPPVTGNSSILNIINDTTSQNDENRCTEGTSNSNEKCTN
 ISDCNSDGTEAFKLDGYPDSYDPFVENAQIY

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NC_001664

ORF Size: 2823 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_001664.2 , NP_042983
RefSeq ORF:	2823 bp
Locus ID:	1487968
MW:	104.6 kDa