

Product datasheet for **VC101526**

U90 (NC_000898) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	U90 (NC_000898) 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 VC101526 represents NCBI reference of NP_050266 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**

ATGGAGTCCGCAAAGGATACCACCTCTACTAGTATGTTTCATTCTTGGTAAACCCTCCGGGAACAACATGGAGTCAAACGAGGAGAGAATGCAAATTATCACCCCGATCCTGTGGTCGAGGAGAGCATAAAGGAAATCTTGGAGGAAAGTTTGAAGTGTGATGTCTCTTTGAGTCTCTGCTGTTTCTGAACTCGAGGCCCTTTGACCTCTTTATCCCAGAGAGTTCCAACGACATTGCAAGTAAAAATGTGAGCTACTCCTCTAACGTCGAGGAGGGGCCTCTGATGAATTTAAAACCCTGGTGGCGCAGTCCGTCGGTAACCTGCATTCAAGTCTATTGGTGTAGCGTCAAAGCTGCGATGAAACAAGAACAAGCAACATGGAGGACAACCTGATCAATTCAGCAGGTCTGCTGACTCTGCACCGGAGCATGCTGGAGCGACTGGTTCTGGAACAGCTCGGTGAGCTCATAAATATAAATCTGCTGTCTCCGCATCAAGTCAATTCGTTTCATGTTACGCGAAAAATGCTGAGCGGCAAAAACCTGGATTTTTTCAA TTGGTGTGAGCCACGATTTATCGTTTTTCGCGTGCACAAATTTGACGGGCTTGCAAAAAAATTGCATCAGAGAGCAGGGATCTGCTTATGGACTTGAAGCAAAACATGAATAACCAGTTCATAACAGCACTCAAAAATA TCTTTTCCAAGGCATACGTGGCCCTGGATTCTGGCAAATGAATATGGTTGCTACATCCCTTCTGCTGATGGCCATAATAAAGAGATGAGCAATCCTGAAATCTCTAACAAGGAGTTCTGTAACAGGTGAACCTGCTGAAGCAAGATTTGCTTGGAGTAGAAATGAGATAATAGAGAATCATGTGAAAAACATGAAAATGTTTCAGGAGTTTCGCGAACAAGCAAATGAACAGATATTTATGGACAACCTGTGACAAGACCTTCTGAAGATCCATCAACTGCAAAAATTTGATTACGGCTGCAAGAACAATAGGCATTGCCGTGCTTCAGTCTATAGTTCTGTGTCAAACGAATTCAGTTGGCAGTACCTCAAGCCACGGCGGCATCAGTTTAAGATCACCATGATGAACATGATCACGCACGCATGTGAGTGCATTGAAACTATTTACGACGATACCGGACTTATCAAGCCTCTGACTTCATCTGACATTATGGAAGGATATATAGCCATTAACAAAAATAGGGAATCCTCTATCTGCGACCTGAATATCGACCCCTCCGAATCCATACTTCTTGAACCTCGAGATTTTGGAGCAGCGAAAGTATTCGGAGGAATCCAGCATCGAGAGCATACATGAGGATGATGACAACGTGGATTACTTGAATAACATGGAGGTCAGAGCCCACTGATAATAACATTCTACTCCATCAAAAAACAATGAGTCACCAACACGCCAAAAGCTCACCAACATCCACGAGAAAGACGTGGGAAAATGTATCCCGACACTCCATCCCCTGATGTTCTGGAAAGGACAAGGAGGCCAAAA



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CCTTTATCGAGTACTCTAGGCAAATCGGAAAGGAGCAGACATCCCCTAATTGCGTCTGCACGGCTCCGT
CACAGATCTCGGAGGCCCTGACAACTTCAAAGCATCACAGGCTTGGAGTCAGGCAAACACTTCTGATA
AAAAAGCTTTTGGAGACGCAGCCAGATTCTGTGGTGGTGGAAACCGGCTCAGGCCAGCAGGATATCTTG
CATATAGCCCTGACAAGAGAAGCCAGACCAAAGAGTGGATTGAGGAAAAAGGTAGTAATTCAAAATGTAC
CGAAACTCTGCCCGCATGACATTCCTAACTCAGCAACTCCCCTCAAATCCCACGGCGCTATACAGGAT
ACATTGAACCCCTGAGAGTAACTTGACAAGGAAATGGAAGCTGTGGAGAGTTGGTCAACCTGTGCGATG
GGTTCCACGATAACCCCTGATTAGTGAGATGATCACCTTTGGTTATGAGACTGATCACAGCGCCCATTA
TGAATCTGAGTCCGACAATAATGACGAGACAGACTACATCGCCGATTGTGATTCAACGGTGAGGACTAAC
AATATACACATGAACAATACGAATGAGAACACCCCATTCAGTAAGTCTCTGTATAGCCCTCCAGAGGTAA
CCCCTAGCAAGGAGGACCACAAAACAGAGAAAATTGTGCGCGTTTCAAAAAATGCAAGAGCAAAAAAGCG
CACTGCTAAAAGAAAAACGTTCTATTAACCTAGCAAATCAAAGAAGATCAAACCTGATAGACTGCC
GAGACAACAAACGTGATCGTGATCAGTAGCGAAAGCGAAGATGAGGAAGATGAAACAACATAATCGACA
AAAGTATGCTGGAGAAGACTATAAAGAGTGAGCCAAATCTGAGTCTAGCAGCGAGTCTGACGATTGTAC
CTCAGAGGACAACCTCCACCTTAGTGACTACGACAAGGTGATAAATAACGGGATTGCCAGAGTAAA
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TTGTGCCAAAGAAACATTGGTTGTGTTTATGAGAAAGACTCACAAAGTTGACAATTGTGTATCCATTC
TAGCGCGAAAAATGAATGTTAAGAATGATAGCGAGTACTGAGGCGAACCATTTGTTTCATCAATCATTTT
GTGCTATAAAAAACCGATGACGAGGAGTATGAAAAGGAGAACGTGAGCTATACCTACTCCAAGATCCAGG
ATAGCAAAACAGACCTCGAGGATCACTCCCACAAAGAAGTGTACTGAAATGGTATGAGAAATTT
TATGGACTGACCGATATCATAAAGCACGGCATCGCCAAACACTGCCAGGATCTGAGTCCAAAATACACC
GTGATCACTCATACCGCTGCGAAAAGAACCTCAACGTGGCCAACAGTCAAAATCTGGTAACAGCGGAAA
CACAGATCTTTGACCCCAAGGCACCGCAATAACAGCCCATCTGAATATTATCAATGACACTACTTG
CCAGAACGATGAAAACAGGTGTACGGAAGGCACCTCCAATGATAATGAAAAGTGACCATCCGGAGCGAC
TGTAATAGCGATAAAAATGGAGGTATTCAAGCTCGACGGCTACCCTCAGATTATGATCCTTTTGAGGAAA
ACGCCAGATCTAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC101526 representing NP_050266

Red=Cloning sites Green=Tags

MESAKDTTSTSMFILGKPSGNNMESNEERMQNYHPDPVVEESIKEILEESLKCDSVFSFESLLFPELEAFDL
FIPESSNDIASKNVSYSSNVEEGASDEFKTLVAQSVGNCIQSIGASVKAAMKQEQSNNMEDNLINSAGLLT
LHRSMLERLVLEQLGQLININLLSSASSQFVSCYAKMLSGKNLDFFNWCEPRFIVFACDKFDGLVKKIAS
ESRDLLMDLKANMNNQFITALKNIFSKAYVALDSGKLNMVATSLLLMAHNKEMSNPESNKEFCKQVNL
KQELLESRNEI IENHVKNMFMFQEFANKQMNQIFMDNCDKFLKIHINCKNLITAAKNIGIAVLQSIIVLC
SNEFSWQYLKPRRHQFKITMMNMI THACECIETIYDDTGLIKPLTSSDIMEGYIAINKNRESSICDLNID
PSESILLELADFDEHGKYSEESSIESIHEDDDNVYLYMEVQSPDNNIPTPSKNNESPTRQKLTNIHE
KDVGKMPDTPSPDVPKSKAKTFIEYSRQIGKEQTSNPNVCTASVYDLGGPDNFKSITGLESGKHFLI
KKLLETQPDSVVVETGSGQQDILAYSPDKRSQTKEWIQEKGSNSKCTETLPGMTFTNSATPVKSHGAIQD
TLNPESKLDKEMEAVESLVNLCDFHNDPLISEMITFGYETDHSAPYSESEDNDETDIADCDSTVRTN
NIHMNNTNENTPFKSLYSPPEVTPSKEDHKTEKIVAVSQKCKSKKRTAKRKNVPIKPSKSKIKLDRLP
ETTNVIVISSESEDEEDGNNIIDKSMLEKTIKSEPNSSESSESDDCTSEDNYLHLSDYDKVINNGHCQSK
GFPSPVFTIPRSMPGTHDIRNKFVPKKHLWFMKTHKVDNCVIHSSAKMNVKNDSDVTEANHCFINHF
VPIKTDEEYKENVSYTYSKIQDSKTDLEDITPTKKLITEMVMENFMDLTDIIKHGIAKHCQDLSSKYT
VITHACEKNLNVANSQNLVTAETQIFDPOGTGNNSPILNIINDTTCQNDENRCTEGTSNDNEKCTIRSD
CNSDKMEVFKLDGYPSDYDPFEENAQIY

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NC_000898

ORF Size: 3234 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_000898.1](#), [NP_050266](#)

RefSeq ORF: 3234 bp

Locus ID: 1497087

MW: 121.5 kDa