

Product datasheet for **VC101426**

U79 (NC_001664) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	U79 (NC_001664) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	U79
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 VC101426 represents NCBI reference of NP_042972 with codon optimized for human cell expression
Red=Cloning site **Blue**=ORF **Green**=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTACGCAGAAGAACGGGCTACGGAAGCTTTGATGACGTTATGGAGTTTATCAGCAAATAGTACTG
 AAAGTATCCAGTTGAAGCGGTTGCACTTCGGCTCTGGCTGTCTGATCGAGTTTCTTGGGGATTCTGGCAC
 TTGCGAGACCTTTTGTGGGGATGGATCTCCATGATATGTTGGACAAGCGACACCAATCCATGGGATCC
 CTCACAGTGGACATTGGGATTGATGACGGGAAGTACAAGACATACAACCGCGCGGCTTTCTGCTGTGCA
 GCAAGAGTATCACCTCCATCAGCCAGAACACTGAAGGAAGAGACAGGATCCTGACGGTGTACAGGAGAA
 TAATAAGTCCAGATCACCTTTGTGACTCTTACCAAGGTGTTCAAGGAACACGATATTCGGAACCTCGGA
 GACCCCAAGTGTATCGAGAAATCGAAAAAGAGTGTAGAGCCCTCGATAGAAAGAAGCACGACGATGAAC
 ACCGAAAACGAGTGGCAAGCAGAAGAAAAGCGAAAAGTCGAGGATACTGACAAGAAAAAGGACGACGA
 CCGGCGCAACAGGAAGAGAGAAAACGGAACGACGAAGACAAACAGCCCGACAAAAAGAAGAGTCTGAC
 GAACTCCCAGAAAGAGAAGAGGCAAAAATACCACGATATGAAGCGGAATCTGGAGGAGCAGTCTCACGAAG
 ACGGAATCACTCTTACCTCCACTACACTGGTGAACGGTCCGTTGAGGGCGCCCTCCACCGTGTATTTT
 CATTGACAACCACGAGGATCAACAGCACGACGAGCTGGATAAAAGAGCCTACGCCAAGGGACCAACCGC
 GAGGGCTCAGCAACGAGGATAACTATGGGAACCTCCGGCTCAATAAATCCTTGGAAACAGCTGAGAGCCA
 AGCTTGTAGCTTCATCCGGCGATATTGTAGAACGGTCCCTGCTGAAGTTGAAAGAGTGCCTGGATAACGT
 TAAAGCAATCTGATAAAGAACGAATGTGCAGATGTGACCGACCTTCAAATGCTTGAGCAAGACGAAG
 CATATAGAGCCCAAGAAACAGATTGCTCTTCTGATTGCGTGAGGCCCGTCCAGTGTGAAATAAAG
 CATTGATTGATGTCGCTTGTTCGAAACAGCTCGGAGCCACGGCGCCTCAGGCAAAAGAACACGGACAAT
 TGTGGGTCCACGACGGTGCCATTGAACAGCAGAGAGTATCTCAGGGCAGAATAGGGGCGCGCCCGC
 GGCCGGGGAGAGGAAGGGCGCCGAGAAGAAGAACTCTAACATCAACAACAGCCGGACTCAGACCACTA
 TAGTCATCGATGACAGTCCGAAGCCGAGAACTTCGAGAATGAGGGATCATTCAATGAGGACCTGCTGGC
 CACCACAATTCTGGAGACGCTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC101426 representing NP_042972
Red=Cloning sites **Green**=Tags

MYAEERAYGSFDDVMEVYQQIVTESIQLKRLHFGSGCLIEFLGDSGTCETF CGGWISMICWTSDTNSMGS
 LTVDIGIDDGKYKTYNARGFLLCSKSITISIQNTEGRDRILTVSQENNKLQITFVTLTKVFKHEHIRNLG
 DPKCIEKFEKECRALDRKKHDEHRKRSKGQKEKRKVEDTDKKKDDRRKQEERKRNDEDKQPKKEESD
 ELPKEKRQKYHDMKRNLEEQSHEDGITLSTTLVNGAVEGALPPCISIDNHEDQQHDELDRAYAQTNR
 EGLSNEDNYGNFRLNKSLEQLRAKLVASSGDIVERSLLKKECLDNVKDNLKNECADVTGPSKCLSKTK
 HIEPKKQIVFSDCVRPVPVCEIKPFIDVRLFETARSPRRLRQRTRTIVGSTDGAI EQQRV ISQGNRGRAR
 GRGRGRAPRRRNSNINNSRTQTITVIDDSSEAENFENEFSFNEDLLATTILETL

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NC_001664

ORF Size: 1422 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_042972](#)

RefSeq ORF: 1422 bp

Locus ID: 1487960

MW: 54.2 kDa