

Product datasheet for **VC101519**

U79 (NC_000898) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	U79 (NC_000898) 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 VC101519 represents NCBI reference of NP_050259 with codon optimized for human cell expression

Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGC**C

ATGTACGCCGAAGAGCGAGGCTATGGTAGCTTCGACAATGTGATCCAGGCCTACGAGCAGATCATCAGTC
AGTCCTTGATCTGAAACGATTGCAATTCGATAATGGATGCTTCATTGAGTTCCTCGCAGATAGCGGGAC
CTGTGAAACATTCTCAAAGGATGGATCAGCATGATCTACTGGACCAGTAAACAGATTCATGGGTAGC
CTGACCGTCGATATTGGAATGGACGAAGGGAAATGCAGGACATACCGAGCCAGGGGACTTCTGCTGTGCA
GCAATCTATTACTAGTATCAGCCAGAATACCGAGGGCGGGAACGGATCCTTACCGTTAGTCACGAGAA
CGGGAACTCCAGATAACATTGTAACGATTGCAAAGGTGTCTTCCGAACCCGAGCTGCGCAATCTCGGA
GATCTCAAATTTATGGAAAAATTCGAGAAAGAATGTCGCGCCTGGACCGAAAAAGCACGACGATGAGC
ACAGAAAGCGGAGTGGTAAACAGAAAGAGAAGCGCAAAGTGAAGATATCGATAAGAAGAAAGAGGACGA
GAAGAGAAAGCAGGAAGAAAAAAGCGAAACGACGAAAGACAAAAGCCGATAAGAAGGACGAGTTTGAT
GAGCCTCCAAAGGAAAAGAGACAGAAAAGCCATCACGAAACAAAGCGCAACCTGGAGGAGCAGAGTCACG
AAGATGGAATCGCACCTACATCCACGACCTTCGTGAATGGAGCAGTAGAGGGTGCAGTCCATGTGT
AAGTATCGACAACCACGAGGACCAGCAGCAGCAGAGCTGGACAAACGAGTGTATGCACAAGGGACTAAT
AGGGAAGGCCCTGAGCAACGAAGATAATTACGGTAAATTTCAACTGAATAAGTCACTCGAACAGCTGCGAG
CCCGGCTGGTTGCGTCTCTGGCGAAGTCGTAGAGCGGAGCCTTCTAAGCTGAAAGAGAGGCTGGACTA
TGTGAAAGATAACCTGATCAAAAATGTGCTGGAATGTGCAGACGTCACCGTGCCATCAAAGTGCCTTAGC
AAAACAAAGCATATCGAGCAGAAAAAGCAGATTTGTTTTAGCGACTGTGTGAGGTCTGTGCCCGTCTGTG
AGATTAACCTTTTATCGACATGCGGGTGTTCGAAACTGAAACAACCCAAAACGCCAGACGGGTTCCGCA
GAGGACCCGAACCACCGTCGGGAGTACAGATGGGGCCATTGGTACGAAAGAGTGTCTCCGGTCAAGAAC
AGAGGCCGAGCAAGGGGAAGAGGAAGAGGGCGCTTCCAAGGAGAAGGAATCCAACCTGAACAACCTGC
GGACGCAGAACAGCGGATCGTCATCGATGATAGTTCTGAGACCGAGAATTCGAGAATGCGGGGTCTTT
TAATGAGGACCTTCTGGCTACAACAATTCTCGAGACACTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC101519 representing NP_050259

Red=Cloning sites Green=Tags

MYAEERGYGSFDNVIQAYEQIISQSLHLKRFEDNGCFIEFLADSGTCETFSKGWISMIYWTSETDSMGS
LTVDIGMDEGKCRTYRARGLLLSKKSITISIQNTEGRERILTVSHENGLQITFVTIAKVSSEPELRNLG
DLKFMEKFEKECRALDRKKHDEHRKRSKGQKEKRKVEDIDKKKEDEKRKQEEKRNDEDKRPDKKDEFD
EPPKEKRQKSHHETKRNLEEQSHEDGIAPTSTTFVNGAVEGALSPCVSIDNHEDQQHDELDRVYAQGTN
REGLSNEDNYGNFQLNKSLRRLVASSGEVVERSLSKLKERLDYVKDNLIKNVLECADVTPVSKCLS
KTKHIEQKQIVFSDCVRSVPVCEIKPFIDMRVFETETQNARRVRQRTRTTVGSTDGAIGQQRVLSQGN
RGRARGRGRVPRRRNSLNNLRTQNSAIVIDDSSETENFENAGSFNEDLLATTILETL

TRTRRLE**QKL**ISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NC_000898

ORF Size: 1440 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_050259](#)
RefSeq ORF: 1440 bp

Locus ID: 1497080

MW: 55.0 kDa