

Product datasheet for **VC101449**

U4 (NC_000898) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	U4 (NC_000898) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	U4
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 VC101449 represents NCBI reference of NP_050186 with codon optimized for human cell expression
 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAAGTCTCGACCACGACATCTACAAGGGTCTGTTTCGAGAAAGGGTAAACATACACTATACCCAATC
 ACCCCTATCTTTCCCTCACTGTTCAACCACAGTCGCGAACTGGATGTGGACCTCAAAGATATTACAGAAGA
 AATGATCATTGACAGCGGGACCTGACCCTGAGGACCTGTTTCATGACTAGAGGACTCAGATTCTGTGAC
 GACAGTGTGCTTTGGGCTGCCCTGGCTGAAAAGGTATCCGTGGAGTTCAGCGCCGGGAAAACTACTA
 TGGATTTGTGACATTTATGTCCTCCTGGAGCGGCTCACTTTTGAGGACGAGACAAGCGCCTTTTACCG
 GCTGCTGACCAAGTGTACCGCGCTCGCCACTTCAGCATACTGGAGTACATCGTGGACGGCGAAAAGAGA
 GATACTATCTCAGCCATTTTAAACGGCTCCTCGAATTGCTGGACTCTCTGTTCTGCAATTCTCATGCT
 TTAGGAACCGATCTGAAAGTAATACGTTGCTCACACTTTTCGACATCCTGCCTAACCCAAAGGAAATCTA
 TGAGATGCTGCAAGCCCACTGCGTCTCTGAAGCACTTCCTGAGCGACTACATTTTGTGGCCTAT
 GCCTCCTCCTACAGATTCGTGTCTAGCGTATTGTGCTCTTGCATCAGTGTGCGCCAGCTTGTCCGCA
 TCTATCTGGGTAAGAAAGATAGCCGGCAGTGAATATTTCTGACATCTCCGAGTTCGATCCCGCCGACCT
 CATCTGGGTGAGCTGCACCTGGACGCTAGGGAAGCCGTTGCCTTGCAGCGCTGAGATTGACCGGGACCTG
 GGATCTTCTCTGATCCTGAATAGTATGGAGAGAAGGCACCTCCCAATCCTCCACGACAAACAGCTCGGGC
 GCGGACATTTTGAGAGGAACATTCTCAAGGTTTATTGTAATATTGCTCTGCTGTTCTCTTGCGCCG
 AGTAAAACAAAGAATCGTCTCCGATCTGACAGCTATTGCGAGGTTCTTCGTCAAAGCAATTTCTGAGATG
 GAACCTGCATCGATACTGTCTCAGGATTGCACGGTGTAGAAATAAGCTTCTCGTGGTGTCCAGTCAGT
 TTGAGATAAAAGACCCAATGCGCGTTCACGGCTGTGCTTCTTTTCTTGGAGATCGTAACATCCTCGT
 TTCCGGCTACGATAAGGAGCGGCACCGAGTGCAGGCACTGCTTGAAGCATCTGTGTCTGAAAAGATTGT
 CTTGGCGACCTGTGTGCAAGCATGAGACTCGCACGCGAGATCCGCCACGATGTGTTGGAGGGCTTTCTGA
 ACACCCTGGAGCTGTCTTACATGAGCAACCCAGTGCAGTTCCTTCCGATTTACGATTGCAACTTGTATGG
 CACACACATGTGGTCCGGCGTTTACCCTAACGTCGTTCTTACGAGTACAGAGGGGGGGGTCATTTCGAC
 ATCAGGTTGCAAGAGCATCGCAGACGGCAAAAAGGATAGTCTCAGAAGGAGGTTGATTCGAGGGTCC
 AGCAGAGGGGATTGGACATCCGAGAGGCAAGACGGTCCCGAAGCTCGTTGTGTGACTTTTATA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC101449 representing NP_050186
 Red=Cloning sites Green=Tags

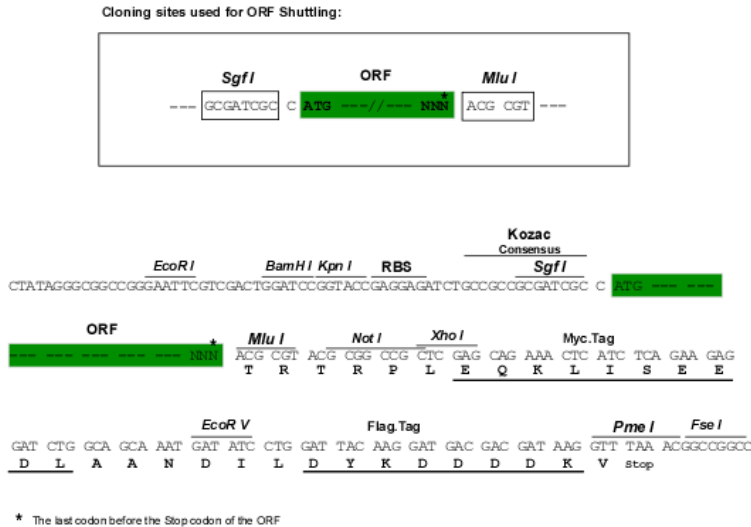
MELLDHDIYKGPVRRVRYTIPNHPYLSLTVHHSRELDVDLKDITEEMIIDSGTLTAEDLFMTRGLRFGD
 DSVLWAALAEKVSVEFQRRGKTTMDLSAFMSLLERLTFEDETSAFYRLLTKCTALAHFSILEYIVDGEKR
 DTISAHFNRLLELLDSLFLQFLMLRNRSENTLLTLFDILPNPKEIYGDAASPTSVLLKHFVSDYIFVAY
 ASSYRFVSSVLCSCDQCRAFLFRIYLGKDSRAVNIISDISEFDPADLILGQLHLDAEVALRAEIDRDL
 GSSLILNSMERRHLPILHDKQLGRGHFERNILKVVYCNIVLCLFLLRRVKQRIVSDLTAIARFFVKAISEM
 ERCIDTVSGLHGVRKLLVVSSQFEIKDPMRVPRLCFFFLIIVTLVSGYDKERHVRALLEHLCLKKIC
 LGDLCASMLAREIRHDVLEGLNLTLELSYMSNPVRFRRHDCNLYGTHMWSGVYPNVVPYAVRGGGSD
 IRLQEHRRRQKRIVLRRLIRRVQQRGLDIREARRVPLACVTFI

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NC_000898

ORF Size: 1605 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_050186](#)

RefSeq ORF: 1605 bp

Locus ID: 1497007

MW: 62.0 kDa