

Product datasheet for **VC101503**

U64 (NC_000898) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	U64 (NC_000898) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	U64
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 VC101503 represents NCBI reference of NP_050244 with codon optimized for human cell expression
 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAACACACTTGATTATGACACCCTGTACCAAGGTGGCGTTTATCCAGCTCACATATGCC
 TTCCAACCGATGCCTACTTGCCTATGCGGGTGGACTGTATAGAATCCTTGTATTTCCGATGTGTCTTTT
 TAAGAATGGGATGCATTACAGAAATGGTCAAACCTGAAGTTCACCGTATTTCTAGGGAGATCAAATTT
 AAAGATGTTCTGAAGAACGCAGACTTTGACGAACCTTCCACCGACTGGTGGTATGACCATCCCCATAC
 CTATCGTCGATTTCCATTTTACATCGATAGCGTTATACTCAAGCTCGTATATCCACAGCTGGTCCACCG
 AGAGATCGTCCTGCGGCTGTATGACCTGATCTGTATCAGGCTTCTTCCGACAGACCAAGCGAGGTCTCC
 GCGAAAAACATCGGAATCGACTTCTATCAGCTTACCAGCCAGGAAACAAGCAGACCCCCGATGAGGAGA
 AGCGATGTCTGTTTTTCCAACAAGTCTTTGGAGCCGCTAGTACCGTTCGGGGACTGAAGGCAGCCGG
 AAATGCCAAGCAATGCAGTTCCCGCTCATGTAACGAAAAAATGACCGAGAGCTTTCTGTCTGATTCC
 TGGTTTGAACAGAAGGTAAAGGTGTAAGGATTCTTGATTTACCCAAACCTATCGCGTGGTGGTGTGCT
 GGTATGAGCTGTCCTTTTCCAGAGAGATGCAAAATAGAAAAAATCTGCTGTGAGCCTCTCAGCTGAAAAG
 GGTTAACGCCGACACTTTTGGGATAGGACCGACCGGTATCTGAGGGATATCGGATCTCGCGTGCTTACT
 CACATTGTGAAAACACTCCAATCCATAATAGACAGTTTAAACAGAAGTTCAACTGTAATTTCCCGTGA
 ACTTCAGTTTCGAGCACCTGCTGAGCTTATGCAGCTTGGGAAGGACTTTTGGATCCTGAACCTCACTCT
 GGACTCATGCATAATCAAAGCTATTATCTGTTTCTGGGTTCCGGAATGGACGGAAGTCTTCTGGCC
 CAGGATGAAGTGTGGGGAGACCTTATCGATTGTTCTAAGGATCAGTTATATATGGCGAGAAAAATCCAAT
 GGATCCTCGATAGCACTAACAACTGTATTCCACCGCGCGAAAAACAGAACAAGTCTTGGGAAGTGT
 TGTAGATTGTTGCGCACTGTACGTATCCGAAAAGCTCGAGTTGGATTTTGTCTTCCAGGCGGCTTCGCA
 ATCACCGGCAAGTTCGCCTCACAGACGGAGATATCGACTTCTTCAATTGGCGGTTTGGCCTTTCA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC101503 representing NP_050244
 Red=Cloning sites Green=Tags

METHLYYDTLYQYQGGVYPAHICLPTDAYLPMRVDCIESLYFRCVFFKNGMHYTEWSKLFVVISREIKF
 KDVLKNADFDELFTGLVVMTIPIPIVDFHFDIDSVILKLVYPQLVHREIVLRLYDLICIRPSSDRPSEVS
 AKNIGIDFYQLTSQGNKQTPDEEKRCLFFQQGLEPPSTVRGLKAAGNAKPMQFPAHVNEKMTESFLSDS
 WFEQKVRCKKILDFTQTYRVVVCWYELSF SREMQUIENLL SASQLKRVNAADFWRDTRYLDRDIGSRVLT
 HIVKTLQIHNRQFKQKFNCFVNF SFEHLL SFMQLGKDFWILNLTLDSCIIKAIICFLGFRNGRKSFLA
 QDEVWGLIDCSKGSVIYGEKIQWILDSTNNLYSTRREKQNKSWELYVDCCALYVSEKLELDFVLPGGFA
 ITGKFALTDGDIDFFNWRFGLS

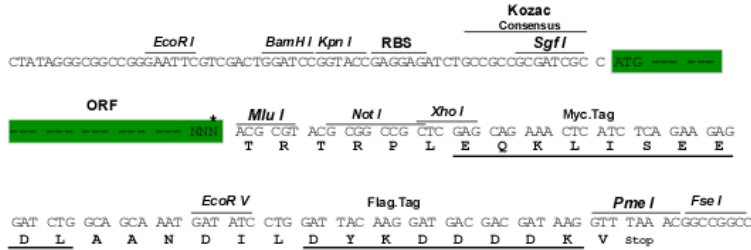
TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

- ACCN:** NC_000898
- ORF Size:** 1326 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_050244](#)
- RefSeq ORF:** 1326 bp
- Locus ID:** 1497064
- MW:** 51.6 kDa