

Product datasheet for **VC101413**

U64 (NC_001664) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	U64 (NC_001664) 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 VC101413 represents NCBI reference of NP_042957 with codon optimized for human cell expression
 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAACCACCTTTACTATGACACCCTACCAGTATCAGGGAGGAGTGTACCCGCCACATCTGTC
 TGCTACAGACGTGTGTCTGCCATGCGCGTCTGACTGTATCGAGTCTCTCTATTTTCAAGTGCCTGTTTT
 TAAATCCGGGATGCATTACACCGAATGGAGTAAGCTGAAGTTTACCGTCATCAGCAGGGAGATCAAATTC
 AAGGACGCTTGAAGGACGCTGATTCGACGAGGTGTTACCGGCTTGGTGGTATGACGATTCCTATCC
 CCATCGTGGACTCCACTTCGACATTGACAGCGTCATCCTGAAGTTGGTGTACCCAGACTTGTTCATCG
 GGAGATAGTCTCCGCTGTACGACTTGATTTGCGTGAGACCTCCCTCTAATAGGCCAGCGAAGCATCC
 GCCAAGAACATTGCTAATGACTTCTATCAGTTGACATCTAGGGAGAATAAACAGACGCCAGACGAGGAAA
 AGAGGTGCCTGTTCTTTACGAGGGACCCCTGGAGCCCCATCCACGGTTCGCGGCTGAAAGCCCCAGG
 AAACGAAAAGCCGATACAGTTCCCGGCCATGCCAATGAGAAGATGACCGAGTCTTTCTCTGACTCC
 TGGTTCGGCCAGAAAGTGAGGTGAAGAAGATCCTGGATTTACCCAAACCTACCAGGTCGTGGTATGCT
 GGTACGAGCTGTCCTTTCCCGGAAATGCAGATTGAGAATAACCTGTTGTCCGCCTCTCAGTTGAAGAG
 AGTGAACGCCGCTGACTTTGGGATCGCACAAATAGATATCTCCGCGACATAGGCTCCAGGGTCTGACT
 CATATTGTGAAAACCTTCAAATCACAAACCGGCAAGTCAAGCAGAAATCAATTGCAACTCCCAGACA
 ATTTACGCTTTGATCGATTGCTGCTTTTCATGCAGCTCGCAAGGACTTCTGGATCCTCAACCTGACGCT
 GGACAGTTGATTATCAAAGCCATAATCTGCTTCTGGGTTTCCAGAATGGAGGCAAGTCTTCTTGGCG
 CAAGATGAGGTATGGGGTGATTTGATTGATTGTTCCAAAGCAGTGTGATTTATGGTGAGAAGATAACA
 GGATTCTGGACTCTACGAACAACCTCTATTCTACCTGCAGAGAGAAACAGAATAAAAGTTGGGAAGTGA
 TGTGGATTGTTGCGCTTGTATGTGAGCGAGAAGCTGGAGTTGGACTTCGTGCTGCTGGAGGATTCCGC
 ATTACTGGCAAGTTCGCCTTACTGACGGGATATCGACTTCTTTAACTGGCGGTTCCGGCTGTCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC101413 representing NP_042957
 Red=Cloning sites Green=Tags

METHLYYDTLYQYQGGVYPAHICLPTDVCLPMRVDCIESLYFRCVFFKSGMHYTEWSKLFVVISREIKF
 KDVLKDADSDEVFTGLVVMTIPIPIVDFHFDIDSVILKLVYPRLVHREIVLRLYDLICVRPPSNRPSEAS
 AKNIANDFYQLTSRENKQTPDEEKRCLFFQQGLEPPSTVRGLKAPGNEKPIQFPAHANEMTESFLSDS
 WFGQKVRCKKILDFTQTYQVVWCWYELSF SREMQUIENLL SASQLKRVNAADFWRDTRNRYLRDIGSRVLT
 HIVKTLQIHNRQFKQFNCNFPDNFSFDRLLSFMQLGKDFWILNLTLDSCIIKAIICFLGFQNGGKSFLA
 QDEVWGLIDCSKGSVIYGEKIQWILDSTNNLYSTCREKQNKSWELYVDCCALYVSEKLELDFVLPGGFA
 ITGKFALTDGDIDFFNWRFGLS

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NC_001664

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_001664.2](#), [NP_042957](#)
RefSeq ORF: 1326 bp

Locus ID: 1487946

MW: 51.4 kDa