

Product datasheet for **VC101606**

U65 (NC_001716) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	U65 (NC_001716) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	U65
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC101606 represents NCBI reference of YP_073806 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAACTTTAGCTCTATCGGAACTGGGCTGCCTTAGGTCAATCCTGCAAAACGAGTGCAATTGGTTCA
GCGTATGCAAGAAGAAGCTGTATCAGCAATACCGGTGCGTGCGGACTTCCAGCCCCGATTTGCTGTGGA
TAAATCAAAGATTGTCTTCATTGCAACATTATTATCCTCAAAAAAATCTGGATTTTGTGTTAGCTTG
GCTATCAATGGTATTCACGCAGGTCAATTTGCAACCAACAGTATCAAACCAAGAAGATCATCACCA
ACGACTTGGTCTACTACATTCTGGAACGGGTTCTCTGACAGTCACCGATCTCCATTTTATCCCGAAATA
CAATTCAGAGCATGTGCTCAATGTGAGGCCAATTACTCCAATCTGATATACGATACCTGCTCCATAGTT
TCATATGATGAGGCCAAGTTGCTGACGGTTAAAGGCCCGGGGAGAACAACTCATCCCCCTGGGGTGTG
GCTCTTGGTGCCTCAATAACATCGGGCGCTATTACGTTTACACCTTCGTATTGGTATACGACTTGTATCT
GGCATGCTTTGAAAAAACCCCTCCCCTCCCTGAGTAAGGTCGTCTTCGATATGATTAGCTGCAATAAC
AAACACTGCGTGTCTGTAAGGACCATAGTAAACACGTGGAACAGACCGGCAAAACAGTAGGATGTACCG
ACAACCAGGAGACATGTTTTGCTATACCCCTGTAAGAAGAAAATGGCAAAGATTAGTAACCAAGACCT
GAGCAGTCTCCTGTGTGATCAGGAACTCGATCTGCTTATTGATTTACCCAGAAAAGCCCACTCTCTG
AGTACTGATATTAACGCATATGTTACGGCCATAAGAATCAAGAACCCGTGGTCTTGGCGCAATACAATT
GGATCCTCATCAGACTTGACCCTGCCATTAGCAGACTCATTCTGCTGTATGTCCTGCTGTAAGAAT
CGTCTCCCGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >VC101606 representing YP_073806
Red=Cloning sites Green=Tags

MNFSSIGNLGCLRSFLQNECNWFSVCKKKLYHEYRCVATSSPVFAVDKFKDCLHCNIIILKKNLDFVFSL
 AINGIHAGQFATNSIKLKKIIITNDLVYYILELGLSTVTDLHFIPKYNSEHVLNVRPITPNLIYDTCIV
 SYDEAKLLTVKGPGENKLIPLGCGSWCLNIGRYVYVTVLVYDLYLACFEKNTLPSSLKVVFDMISCNN
 KHCVFCKDHSKHVEQTGKTVGCTDNQETCFYTPCKKKMAKISNQDLSSLLCDQELDLLDIYPEKPTSL
 STDINAYVHGHNQEPVLRNTNWILIRLDPAISRLILLSCPVCKRIVSR

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_001716

ORF Size: 990 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_001716.2, YP_073806
RefSeq ORF: 990 bp
Locus ID: 3289523
MW: 37.5 kDa