

Product datasheet for **VC101414**

U65 (NC_001664) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	U65 (NC_001664) 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 VC101414 represents NCBI reference of NP_042958 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCATATCAACTTTTCAGCATAGGGGATCTCGGCTATCTGCGGAACCTCCTGCAGAATGAATGCAATT
GGTTTCGGATATGCAAGAAAACCTTTTACCGGGAATATCGGTCTGTTGCCACATCATCACCCACTTTCTC
CCTCAATAACAAACCCAAAAAGTTCTGCATGCACTGTGAGATCGTGATTTTTAAACGGTCCGAAGAGTTC
ATGTTCTCCCTGGCCGTGAACGGAATTCACCTTCGGCAGTTTTTGACTGGGAAAATGAAATTCAAATAAGA
AAGCCGTGCCCGAGGGACTCTACTACTACATTCTCGAGCTGGGTTCCATTACGCCTATTGATCTGGGATT
CATTCCCCGGTACAACCTCAGACTGCGTTACCAACATGCGGTGTGTGACACCCGAAGTGATCTACGAGAAT
TGCAGCATCGTTTGTCCGGAAGAGGCGAACAGGTTGACTGTCAAGGGGAGTGGGGATAACAACTGACAC
CTCTGGGTGGATGTGGTGCCTGGTGTCTCAAGAACGGTGGTACTTGTATATCTATACATTTCGCTCTCGC
GTATGATCTCTTTCTTACCTGCTATGACAAATCTACTTTCCCTCTTTGGCCAAGATAATCTTTGACATG
ATCGCCTGTGAGAGCGAAGACTGCGTCTTCTGCAAAGACCACAACAAGCATGTTAGCCAGGCAGGCCAGA
TTGTAGGTTGTGAGCAACCAGGAACTGCTTCTGCTATACTAGCTGCAAGAAAAAATGGCTAATAT
CAATAACCCAGAGCTGATTAGCTTGCTGTGCGATCAGGAAATCAACAAAATCGACATTATGTATCCAAAG
ATTAAGGCAAGCCTGTCCCTTGATTAACAGCTACGCTCATGGTATTTTCGGAGATGATCCATACGCTT
TGAAATGCGTCAATTGGATCCCAGTGAGAATATCCGCCGCTTGTCCCGATTGATTGTCCCTCAGTTGTCC
AGTGTGTAAGCGCGTAGTCATGGAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >VC101414 representing NP_042958
Red=Cloning sites Green=Tags

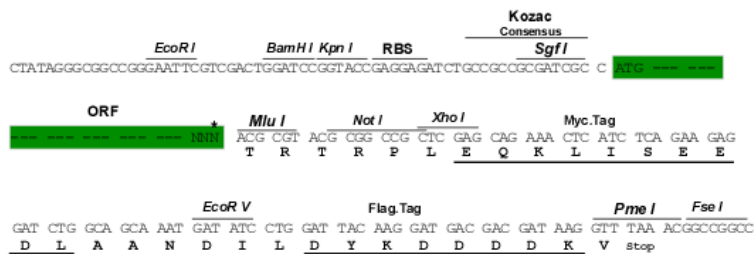
MAISTFSIGDLGYLRNFLQNECNWFRICKKTFYREYRSVATSSPTFSLNNKPKKFCMHCEIVIFKRSEEF
 MFSLAVNGIHFQQLTGKMKFNKAVPEGLYYYILELGSITPIDLGFIPRYNSDCVTNMRVTPVEVIYEN
 CSIVCPPEANRLTVKGSNDKLTPLGGCGAWCLKNGGDLYYTFALAYDLFLTCDYDKSTFPSLAKIIFDM
 IACESEDCVFCCKDHNKHVSQAGQIVGCVSNQETCFYTSCKKKMANINPELISLLCDQEINKIDIMYPK
 IKASLSLDINSYAHGYFGDDPYALKCVNWIPVRI SAALSRLIVLSCPVCKRVVMD

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



ACCN: NC_001664

ORF Size: 1005 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_042958
RefSeq ORF: 1005 bp
Locus ID: 1487947
MW: 37.9 kDa