

Product datasheet for **VC101547**

U3 (NC_001716) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	U3 (NC_001716) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	U3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC101547 represents NCBI reference of YP_073747 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCAGACCTCGGGTCAGACTTCAACTTCGAGGAACGGGTATTGCGCGTTGTTGCAAAGATTTGAAGA
AGGAGAATAGCTTTATCCGCAAATACGTGGCCACGTTGACGGTAAGAAGGATCTCAAAGTGCAAACGT
AGAGAAAACCTTTCTTAGCGATAAAAAACGAAAAGAGAAGATTTTTGAAAGCGCAAAGCGAAACTGGTG
GATTTCTGCGAGTGATACCAATTTCAATTCTCTGAAAATGTTTCTCTTCTCAACCTCACTTGGCAG
TTCCATTGGTGTCCAGAAAGCCTTTGAGCTTGTGTTGACGTACGGCGTCGAAGGTTACGAAGAAGATAA
GCTCAAAAAATACGCTGCCCTTGTCTGCTGCCAGAGGAGTTGACGGTGTGGGCTACATCAAGCACACC
GTAACCACTGTGTATGAACTGGAATACGAGACGGATGATGTTGTTATCCTTCTGGGAAAAGTCGGTCGGG
TCTATGCGCATACCACCTTGTTCGACAGCTCTGCCGGTGGGTGATACCATCGACTCTTTTCTGCG
CAAGGGACTGAAGCGCTGCCTGTACGCTTACGTGCTGTGCAAGTGTCTTCAATTCGAAGTCTCTGATCCC
GAGATCGAGGCTATCACCACATGCGCCGAAATCCTCGCTTTTCGCGACCGGCACCTGGCGAAAAATTCG
AGCTGAGATGGCCCGCACGCGAGAATATACTGTCCATCACAGAAAAGATAGTTTCCATTTCTGTGTCAGA
CCCTGAAATAAAAAGTGTCTTGGGATATGTGTTTTTTCGCGTCTTTCGGTCTCAAGTGTTTTAGCGAC
GGGGCTCGGATAAGCCTTACGCGAGATTGCTCCGGGAAGATTTATGGCTCAATGATAATGATCCTGACG
GAAATCTGACCTTTATCGCCGAGAGCTTTCAGGTTTTCCGATTGTTGGCGTACGCAATTTCTACAAGCA
CCATACCTTTTACGCCGCCAGCCAAAATGGTGCCAAAACCCCTCTGTCAATTTTCCAGCCGCTTTTAC
CTCAAGACTGCGAGACAGGGGATTGTGATCTGTTGTTCTGGCAGCAAGAGCCGATGAGAGGGCTGCAT
TCCCGATGTGGGCACTCAGATTTTCAGGTGT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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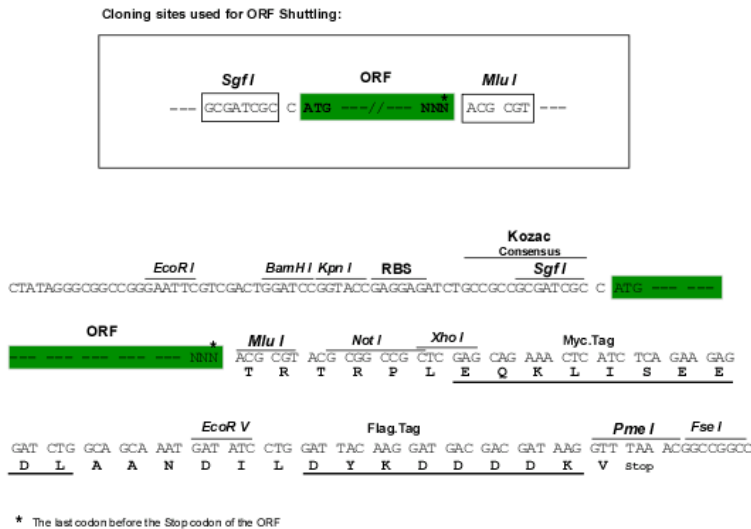
Protein Sequence: >VC101547 representing YP_073747
 Red=Cloning sites Green=Tags

MADLGSDFNFEERVLRVVAKDLKKENSFIRKYVAHVDGKKDLKVANVEKTFLSDKKRKEKIFESAKAKLV
 DFLRVYTNFNSLKMFLFLNPHLRVPLVFPEGFELVLTYGVEGYEEDLKKYAALVCCPEELTVLGYIKHT
 VTTVYELEYETDDVVILLGKVGVRVYAHTLFPDQLCRVGDITDSFLRKGLKRCLYAYVLCKCLQFEVSDP
 EIEAITTCAEILAFDRHLGEKFEWRPARENILFHHRKDSFHFVSDPEIKSVLADMCFASFGLKCFSD
 GARISLYADCSGKIYGFNDNDPDGNLTFIAESFQVFRFVGVRNFYKHHTFYAAQPKWCQKPLCHFSSRFY
 LKTARQGDCLLFLAARADERAAFPDVGTIQIFRC

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NC_001716

ORF Size: 1152 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_073747](#)

RefSeq ORF: 1152 bp

Locus ID: 3289465

MW: 44.4 kDa