

Product datasheet for **VC101365**

U18 (NC_001664) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	U18 (NC_001664) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	U18
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC101365 represents NCBI reference of NP_042911 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAGAAGCTCACAAATGGAGTCTCTCCGTGTACATATTTGTTATGGGAGTGTGCTTTACAAGCAATT
TCACTTGTGAGCAGAAAATCGTTCTGATCCAGGAACATAAGCTGAGAAGCATCTGTATCAGCACATGCTA
CGTTAACGGCGTGTGGCTGGTAACAGTAGTTGCGTGCCGTTAAGACTTCATACTTGATCAATCTTGCC
ATGCTGACAAACGGCTTTAAGGCGATGAGGTTGGGAACATTACATCCATCAGTGAGAAGACTGCATTCC
TGCGCGTGATTATCAATTATTACTTTGCGGGGTGATGCTGCGCGCCCTGATCGCCCAAAGCTGCCCAA
CGCCGCCAATCTCTCATCTACAGTAAACTGCTGGCTGGACGATCATTCTGCAGGCGGGTTCATGACTCTT
TTCTATGGCACAGAAAAGAAATCGTTCTGAATTCTAGCACTGAGATCAATGCTAGCAGATGGATCAGTGATG
GCCAGGATGCCAATGGAACACTCAACATACTGAACGAGCGAGTTTCACTCGACATTTATTTCTGTCTAA
AATCTGCCCCAGCTGAGCTCTGAGATTTACAAGAAGAAAGTTGCCCATCCAAAATTTTCAGTCTCATC
AAGAATGACACAAAGCCCAAAAAGTTCTTCGAAACACATGGCGGTCAGCCTGGAGCAACTGGTATAAAT
ATAAGGAGATCAAAGAGTTTCTGGACTTAGCTCAGACTATGAGAATTTTCTGAGATTACCTATTCAAT
GTCAGCTGCTGGACTGTTCTTCTTCCGTTGGCGCTTTTACAATGCTTCTGTTGCTTTGTTGTTGCT
ATGATTACCAGGAAGCATATTGTTAAGGATCTGGGATAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >VC101365 representing NP_042911
Red=Cloning sites Green=Tags

MKKLTMESLSVYIFVMGVCFTSNFTCEQKIVLIQEHLKRSICISTCYVNGVLAGNSSCVSVKTSYLINLA
 MLTNGFKAMRVGNITSISEKTAFLRVIINYYFRGVMLRALIAQRLPNAANLSSTVNCWLDHDSAGGVMTL
 FYGTERIVLNSSTEINASRWISDGDANGTLNILNERVSLDIYFLSKICPQLSSEIYKKKVAHPKYFSLI
 KNDTKPKKFLRNTWRSAWSNWKYKEIKEFLDFSSDYENFSEITYSMSAAGLFFLAGGAFMLLLLCCLS
 MITRKHIVKDLGY

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: 879 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_042911
RefSeq ORF: 879 bp
Locus ID: 1487934
MW: 33.2 kDa