

Product datasheet for **VC101457**

U18 (NC_000898) Virus Tagged ORF Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | U18 (NC_000898) 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 VC101457 represents NCBI reference of NP_050198 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s) |

GACGTTGATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAGAAGCTGACAATGGAGTCTCTCCTCGTGATACCTTCGTAATGGGGTATGTTTTACTTCTAACC
TTACCTGCGAACAGAAGATCGTACTCATCCAGGAGCAAAGCTGGGAGCAATCTGTATTTCTACATGTTA
TGTAACCGGTGTCCTGGCCGGAATAGCAGCTGTGTATCCGTAGGACATCTTACTTGATCAATCTGGCA
ATGCTTACCGACGGATTCAAAGCCATGAAGGTGGGCAACATTACCTCCATAAGCGAGAAAACAGCCTTCC
TGCGAGTCATTATTAACATTATTTTCAGAGGCGTGATGCTGCGGCCCTGATCGCCAAGCGCCTCCCAAA
CGCAGCCCAATTGTCCAGCACCGTCAACTGCTGGCTGGAGGGCCACAGCGCAGGCGGTGTGATGACCCTG
TTCTATGGCACTGAGCGAATTGCTGAAATCCTCAACCGAAATGAATGCAAGCCAGTGGACTTCAGACG
GACCCGACGCTAATGGGACCCTCAACATCCTCAATGAGCGGTGAGCCTCGATTCTTACTTCTTGCCAT
GATTTGTCCTCAACTCTCCGATGAAATATACAAGAAAAAGTGGTACATTCCAAATACTTCTCTCATC
AAGAACGATACCATGCCGAAGAAATTCCTCAGGAATACCTGGAAAAGCGCATGGACCAACTGGTACAAAT
ACAAAGAGATTGAAGCCTTGCTCGACTTTAGTAGAGACTACGAGAACGTATCTGAGATAACGCACCTCCAT
GAGTGCTGCCGGACTGTTTTTCTCGCTGGCGGCCCTTACTATGTTGCTTCTGCTCTGTTGTCTGAGC
ATGATCACCCGAAGCACGTAGTAAAGACCTGGGCTACAAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >VC101457 representing NP_050198
Red=Cloning sites Green=Tags

MKKLTMESLLVYTFVMGVCFTSNLTCEQKIVLIQEQKLGAIICISTCYVNGVLGNSSCVSVRTSYLINLA
 MLTDGFKAMKVGNITSISEKTAFLRVIINYYFRGVMLRALIAKRLPNAACLSSSTVNCWLEGHSAGGVMTL
 FYGTERIVLKSSTEMNASQWTSDFPDANGTLNINLNERVSLDSYFLSMICPQLSDEIYKKKVVHSKYFSLI
 KNDTMPKKFLRNTWKSATNWKYKYEIEALLDFSRDYENVSEITHSMSAAGLFFLAGGAFMLLLLCCLS
 MITRKHVVKDLGYK

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_000898

ORF Size: 882 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_000898.1, NP_050198
RefSeq ORF: 882 bp
Locus ID: 1497014
MW: 33.0 kDa