

Product datasheet for **VC101560**

U21 (NC_001716) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	U21 (NC_001716) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	U21
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>The Viral ORF clone VC101560 represents NCBI reference of YP_073761 with codon optimized for human cell expression
 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGTGGACCATCTTGTGTTCTGCGTCCCTGTGATATACGGTGAGCTCTACCCCGACTTTTGTCTCTGG
 CTGTGGTGGACTTCGATGTGAATGCTACCGTCGACGATTTGCTGCTCTTCGATATTTCTCTCCAAGCA
 GTGTTCTGACGATAAGATTAGACATTCTGCTGTCGCTGCAATGACCGATAACGCCTTTTTTTTCGGCAAC
 TCAGAGACACAAATTGAAACCGACTTCGGTAAATACTTGGCTTTAACTGTTATCAGGTGTTCTCTACGC
 TCAACCACTTTCTGTTCAAGAACTTTAAGAAAACCAAGGGCCTCATGAAGAGATATGACAACTGTGCCT
 TGATGTGGAATCCTACATACATACAGATCATTTGTAGCCATTCAAGTCTTTCATTAGACTGAGGCGA
 ATGAACGAGACTGGGATTTCCCCCGAATCCTGGAGACAACCTTCTACTTGCAGAACAAACGGAACAGCA
 CATGGGTGGCTATTAATAACTACCTCGGTGAGGACGACCTTTTACGTACAGAATTTGGCATACTACTGAC
 CCATGCTAAGAACTTTCTTATTAACAGCTGTGAGAACGATTTTAAACCAACTGTTCTTCTGGCAAAGGAA
 TACCTGTCCCTCGAAAGACTTTTGAAGCTACATTCAAACAGGGATTCAACCCTATGATCGAGCAGAGAA
 ACGAACACGGTATAGAACTAATAATATCGACTGCAGCTTCAGTAAGTTTCGCCAAAACGGAGTGAAGGT
 GGCCGTCTGTAATAATACTGGGTGGGTGTTTCCGGTTTTGGATCTCTGGAAGTGCTCCAGAAGATCAAA
 TCTCCATTTGGCGAAGAGTGAAGAGAGTGGGTTCAACAGCACGGGTGCTTTTACACCACTGTATGGAT
 CCGATGTGCTTTGGGGTTGATCTTTTGTAGAGTGGAGATGACAACGATGTGTGCACATGCACTAATAA
 AAATACAGGGACACAGATCCAAGTTACACTTCTGACGTCGACCTGGATTTGCTGGACTCCGAGAAGACA
 TCATCAAACGTATTCGTGACATGCTGTGCTATACACTCATAGCAATCCTGTTCTTGCCTCGTCACCG
 CAGTGGTGTCTCGGGGTGTCATGCCTGGACGGTGTGCAGAAGGTATTGACATGGCCACTCCAGCACAT
 CCAAAAAGAACCCTGTCCGAGAAAATTATTAACCTTGACCAACCTTATGTTCCGACAAGAACCCTTGCCC
 AAGAAAGAAGCCTCAAGCAGCAGTGCCTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC101560 representing YP_073761
 Red=Cloning sites Green=Tags

MWTILLFCVPVIYGELYPDFCLAVVDFDVFVNATVDDLLLFDISLSKQCSDDKIRHSAVAAMTDNAFFFGN
 SETQIETDFGKYLAFNQYQVFSTLNHFLFKNFKTKGLMKRYDKLCLDVESYIHIQIICSPFKSFIRLRR
 MNETGISPRILETTFFYLQNKRNSTWVAIKNYLGEDDPFTYRIWHTLTHAKNFLINSCENDFNQLFFWQRK
 YLSLAKTFEATFKQGFNPMIEQRNEQRYRTNNDICSFKFRQNGVKVAVCKYTGWVSGVSGSLEVLQKIK
 SPFGEEWKRVGFNSTGAFTPLYGSDVLWGLIFLRVEMTTYVCTCTNKNTGTQIQVTLPDVDLDDLSEKT
 SSNVFVDMLCYTLIAILFLAFVTAVVLLGVSLDGVQKVLTWPLQHIQKEPVSEKIINLTNLMFGQEPLP
 KKESLKQQCL

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NC_001716

ORF Size: 1290 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_073761](#)

RefSeq ORF: 1290 bp

Locus ID: 3289479

MW: 49.6 kDa