

## Product datasheet for **VC101460**

### **U21 (NC\_000898) Virus Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	U21 (NC_000898) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	U21
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>The Viral ORF clone VC101460 represents NCBI reference of NP\_050201 with codon optimized for human cell expression  
**Red**=Cloning site **Blue**=ORF **Green**=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGTCCGCCAGCTTCACAACGGCGTCCAGGTTTACTTTCTGCTCCTGCCCTTCTTTGTGTGGCCGGCC  
 TTCTGTGGATTCTGTGCCTGATCTGCGGCAGAAACCCATCCACCCTGTGGTACGACGGCGATCTGATTCT  
 TAAGATCGCATCTTTGGAAGTGGTGGGAGCTTCAGATAGGAAGCGAGAAGGAAAGAGAAGCATGATGATT  
 TGTTTCGTGTTCTGTGCGTCTCACGTTCTGCGGAGAGATTTATCCTTCCACATGCCAGCCCTGG  
 GAGCCGGCAACGGAGAGGCGGTACGAAGCGGGAAATGCTCTGGAAATCTCCGCTACAGAACTGGAG  
 ATCCGGTAAGATGGAACCTGGGGCTCTGCAGCCGTAACAACCAAGTATTCTATGGCGGCATGGAAGAC  
 TCTCAGATTGAGTATGACTTCGAAAAATTTCTGGTCTTCCGATGCTTTCAGGTATTTACAACGTGCACA  
 AGCTGCTGTTAATACAGTGTCTCTGCTACGATGCATCTGGCAAGGAAGCGGGTGCAGAAATGTGGACA  
 TGGCAAAATGACGTTTATCTCCATTCAAGTGCAGTGCAGCGTGAACAAAAATCCATCCGATTGAGCAGA  
 ATGAACGAAACAAACCTAAGAAGCAAGTCTTAGAGTGGCCTTTTTTTTTGGACGTTTCCAACAACAGCT  
 GGATCGCCGACAAGAATTTCCAGGGAGAGGATAGGACGATGCTGCGCCTGTGGACTGAGCTGAGCACGTA  
 CAGGCAGTACCTCATTAGCTCTTGTAAACATGACGTGAAGGTTTTGAGCGAGCTGTATGGGGAGTTCCGG  
 AGGATGGCCCTGTACACGACGAGGAACCTAAGCTGAACCTCATGCCAGTATTCCGACGCTCATCAGAGC  
 GCCTCTCAGGGCTGACGATTTGAAGTGTCTTCTCCGCTGGCTCGGCGCCGAGGGCGAATTCGCGGT  
 TTGCGAATACTCCGTTGGGGTGTGTCCAAGCTCGGCAAGATTGAGATTTTCGCCGAGGAGCCGCTGACA  
 TTTGACATGGTCTGGAAGACCGTGAAGATGAGGAGCTCTGGTGCTTACACCAGCCTGTTTCGCGATGACA  
 TCACCTGGGGATTGATTAGTTTGGATAAAATGGGTTGGCGACAAATACTTCTGCATGTGCACAAACAAGA  
 AAGCGGTGATAACGTGATAGTAACATTGCCGAGAAAAATGTGGAAAAAGTCCATCCAGATTTATAATGAA  
 GGATCTACGATGCTGGCCTTTGCTGAAATAACTTCAATTATGGTGAACCTGATGTTTATGGGGCGGTGG  
 CAGTTTGTGTTGGGATCCTGGGAATCAGCTGCTTCGTAGGACTCAAGGAGATAATTTATTTTCATCTTCGT  
 GTCTGTCAATTAATGTGGCCCTTCTGTAACAAGCTGCTGACAACAGCCGTTAACTGTTTTTTTTAAAGGG  
 AGGACGTTCTCCGGAGGAGCTAAAATA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>VC101460 representing NP\_050201  
**Red**=Cloning sites **Green**=Tags

MSASFTTASRFTFLLLPFFVLAGLLWILCLICGRNPSTLWYDGLILKIASLELVGASDRKREGKRSMMI  
 CFVFLCVLTFVRGEIYPSTCPALGAGNGEAVRSGEMLEISAYRNWRSGKMELWGSAAVNNQVFYGGMED  
 SQIEYDFGKFLVFRCFQVFHNHVKLLFNTVSSATMHLARKRVQKCGHGKMTFISIQVQCSVNKKSIRLSR  
 MNETNLKKQVLRVAFFLDGSNNSWIADKNFQGEDRTMLRLWTELSTYRQYLISSCNNDVKVLSLEYGEFR  
 RMALSYDEELKLNFPVIRSSSERLFRADDLKCSFSRWLGAEGEFVCEYSGWVSKLKGKIEIFAEPLT  
 FDMVWKTYKMRSSGAYTSLFRDDVTWGLISLDKWVGDYFCMCTNKESGDNIIVTLPEKNVEKSIQIYNE  
 GSTMLAFAEITSIMVNLFMGAVAVCVGILGISCFVGLKEIIFYIFVSVNSMWPFCNKLLTTAVNCFFKG  
 RTFLRRELKI

**TRTRRLEQKLI**SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NC\_000898

**ORF Size:** 1500 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\\_050201](#)

**RefSeq ORF:** 1500 bp

**Locus ID:** 1497017

**MW:** 57.0 kDa