

## Product datasheet for VC102151

### p21 TM (NC\_001436) Virus Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** p21 TM (NC\_001436) Virus Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** p21 TM  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >The Viral ORF clone VC102151 represents NCBI reference of NP\_955621 with codon optimized for human cell expression  
 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGCTGTTCCAGTGGCCGTTTGGCTTGCTCCGCTCTTGCTATGGGCGCCGGAGTTGCGGGTAGGATAA  
 CAGGCTCAATGAGTCTGGCCTCCGAAAAATCTCTGCTGCACGAAGTTGATAAAGACATCAGTCAATTGAC  
 ACAGGCAATCGTAAAAAACACAAAAATCTCCTGAAAATTGCGCAGTACGCAGCCAGAATCGGAGGGGG  
 CTGGATTTGCTCTTTTGGGAACAAGGAGGGCTGTGTAAGGCCCTCAGGAGCAGTGTGCTTCTGAATA  
 TAACCAACTCACATGTGTCTATCCTTCAAGAACGACCTCCCTTGAAAACCGCGTGTGACCGGTTGGGG  
 GCTGAATTGGGACTTGGGATTGTACAGTGGGCTAGAGAGGCACTGCAGACTGGAATCACCTTGGTGGCC  
 CTTTTGCTGCTGGTATCCTCGCCGGGCTTGATCCTGAGACAGTTGCGACACCTTCTAGCCGGGTCA  
 GGTACCCGCACTACTCACTTATCAATCCTGAGTCTCCTTG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >VC102151 representing NP\_955621  
 Red=Cloning sites Green=Tags

MAVPVAVWLVSALAMGAGVAGRITGMSLASGKSLLEHVDKDISQLTQAIIVKNHNLLKIAQYAAQNRRG  
 LDLLFWEQGLCKALQECCFLNITNSHVSILQERPPLENRVL TGWLNWDLGLSQWAREALQTGITLVA  
 LLLLIVILAGPCILRQLRHLPSRVRYPHYSLINPESSL

**TRTRRLEQKLI**SEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI



[View online »](#)

Cloning Scheme:



ACCN: NC\_001436

ORF Size: 531 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\\_001436.1](#), [NP\\_955621](#)

RefSeq ORF: 531 bp

MW: 19.5 kDa