

## Product datasheet for **VC101403**

### U53.5 (NC\_001664) Virus Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	U53.5 (NC_001664) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	U53.5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC101403 represents NCBI reference of YP_002608176 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGC**C

ATGAGCAATCAAACCTTGCCCAATACCACTCCACTGCTGTCTAGTCCGCCATTCTCTGACTGTGTGTTTT  
TGCCAAAAGACGCCTTCTCTCTGCTGAACGTGACTACCGCCAGCAGCCTAAAATCGTTCCACCTGT  
TTCAGTGCACCCACCTGTGACCGAACAGTACCAGATGCTGCCATACAGCGAATCCGCCGCTAAAATAGCC  
GAACATGAAAGCAATAGGTACCACAGTCTTGTCAAGCAATGTATCCTTACTGGCAGTATTCACCCGTGC  
CACAGTATCCTGCGCACTGCACGGCTATCGGCAGAGCAAGACCCTGAAGAAGAGACTTCCAGAGCGA  
CAGCGAAGATGAACTGTCTTTCTGGGGATCCCGAATATACCAAAAAGCGCCGGAGACACCGGGTTGAC  
AACGATGACGATAAGGAAATGGCCAGGGAAAAAATGATCTGAGGGAGCTGGTGGATATGATCGGAATGC  
TGCGCCAAGAAATCAGCGCCCTGAAGCATGTGCGAGCCCAGAGCCACAACGGCACATCGTGCCTATGGA  
GACCCTGCCAACTATCGAAGAGAAGGTGCCGCAAGCCCCAAGCCAAGCATACTGAACGCCTCACTTGCC  
CCTGAAACCGTCAACCGTCACTGGCAGGGCAGAATGAATCTACAGATCTCCTCAAGTTGAACAAGAAGC  
TGTTGTTGACGCACTCAATAAGATGGACTCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >VC101403 representing YP\_002608176  
Red=Cloning sites Green=Tags

MSNQNLNPTTPLLSSPPFSDCVFLPKDAFFSLLNVTTGQQPKIVPPVSVHPPVTEQYQMLPYSESAAKIA  
 EHESNRYHSPQCAMYPYQYSPVPQYPAALHGYRQSKTLKRRHFQSDSEDELSFPGDPEYTKRRRHRVD  
 NDDDKEMAREKNDLRELVDMIGMLRQEISALKHVRAQSPQRHIVPMETLPTIEEKGAASPKPSILNASLA  
 PETVNRSLAGQNESTDLLKLNKKLFDALNKMDS

TRRRLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NC\_001664

**ORF Size:** 732 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, YP\_002608176  
RefSeq ORF: 732 bp  
Locus ID: 1487935  
MW: 27.7 kDa