

Product datasheet for **VC101593**

U53 (NC_001716) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	U53 (NC_001716) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	U53
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>The Viral ORF clone VC101593 represents NCBI reference of YP_073793 with codon optimized for human cell expression

Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGAGACTGTCCTGGTCGAGGATTCTGTGTCTATGACGATAACGATTAACGATAACTTTTACC
TGCCCCGCCGAACGATTACAGGAGAGATAAATTCTGGAAACGTTTGAACATCCCCTCAACATAAATCA
CAATGAGAATGCAGTGATCGGGACTGTCAGTTCATTGTCCGATCTGCAACACGGGCTCTTACAGTCGCA
AGAGTACAGAGTAAGGAATCTTGACAATTATAAAGAAGATAGCCGTGAAAAGCAAGCTGATAACTAATA
CGGAAGAAAAAACAACCTCCCGCCAGACCTGAGATAGAGTGCCTAATAGCATATCCCGGTCTGAGTCT
TTCCAATCGCGTCGGGGCAATGAAAGGGATCCATTCTCAAACACGTGTCTATCTGTGGTGTGGAAGG
AGGCCCGAACTATCGCGATCTTTGGGAGAAATCTGAACTGGATTCTGGACCGGTTCTCCTCAATAACAG
AAGCTGAGAAAGAAAAATCTTGAGCACCGATCAGTCCTGTGTGAGTTCCTCGCCGAGGAACAATTTAA
AGTCGATCTGTACGATTTGCTGGCCGACTCTCTGGACACTTCCTATATCAAAGTCCGCTTTCCAAAGTTG
CAGAGTGATAAGCAGCTGAGTGGAACTCTAAATCCACGTATATCAAGGCCAGCGAAAACCTGACAGCCA
ACAATCACACAATTAATGTTAACAGTAAGGTGACGAAAGAAACGGAAGCAACAGACAGCGTCTCACAGA
TGACTGTGCCGTGACCGCTCCCGACCTCATTTCCACTATTTGCTCCACCACACATACAACACACCATGAC
CTCGTTAGGATGAACGGCAGCGCTACTGGCAATTCGCGTCATTGCTGCACCACAGTTCCTCAGAATGTG
TATTCCTGCCAAAGATACCTTCTGTTCCTTCTTAATGCAACGGCCGGCGCGAGAATAAGAATGTTAC
TCCTGCGGCACCCATCTTAAGACAGACGAGTACATAACGCCCTACCCTGAATCCCTCTCACGCAATGGAC
TACGGAACAGAAATGAACTACCACATCCACCTCCTTACTGGTATCCCTCAATGCCCGGCTTTAATTACA
AAAGTTACCGCGGGAGTCAAAAAAGGTGTGCACCAACCGACTCAGACGACGAAATGAGTTTCCAGGAGA
CCCCGACTACACGACCAAGAAGAAGAAGCGCTATAGAGAGGACGACGACCGCGAGCTGACTAAGGATAAG
AATGACATCAAAGAGCTCGTGGATGCAATTGGAATGCTGAGGCATGAAATTAGCGCCCTGAAGTATATTC
GGAGTCAATCCCCGACGACGACGACTGCACAGCAGTAGACACGATGCCTACTATAGAGGAGAAGAATGT
GGCCTCACCAAGCCGAGTGTGGTGAACGCCAGCCTACCCCCGCCAAGACCGGAACAGAACCTGATG
CAGTCCGATCAGTCCCTGCTTCTACTGAATAAGAAGCTGTTGTTGAGGCCCTTAAACAGATGGATAAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC101593 representing YP_073793

Red=Cloning sites Green=Tags

METVLVAGFLCVYDDNDINDNFYLPRTIQEEINSGNGLNIPLNHNENAVIGTVSSLSLQHLFTVA
RVQSKEFLTIIKKIAVKSKLITNTEEKLPPDPEIECLNSIFPGLSLSNRVGGNERDPFFKHVSICGVGR
RPGTIAIFGRNLNWILDRFSSITEAEKEKILSTDQSCVQFFAEQFKVDLYDLLADSLDTSYIKVRFPKL
QSDKQLSGISKSTYIKASENLTANNHTINVNSKVTKETEATDSVSQDDCAVHAPDLISTICSTHTHTHD
LVRMNGSATGNSASLPAPQFSECVFLPKDTFCLLNATAGAQNKNVTPAAPIFKTDEYITPYPELSRMD
YGNRMNYHIPPYWPSPMPGFNYKSYRGSQKRCAPTDSDEMSFPDPDYTTKKKKRYREDDRELTKDK
NDIKELVDAIGMLRHEISALKYIRSQPQRQHCTAVDTMPTIEEKNVASPKPSVNVNASLTPGQDRNQML
QSDQSLLSLNKKLFVEALNKMDN

TRTRRLE**QKL**ISEEDLAANDILDYKDDDDK**V**

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NC_001716

ORF Size: 1539 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_073793](#)

RefSeq ORF: 1539 bp

Locus ID: 3289511

MW: 57.4 kDa