

Product datasheet for **VC101402**

U53 (NC_001664) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	U53 (NC_001664) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	U53
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 VC101402 represents NCBI reference of NP_042946 with codon optimized for human cell expression

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

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCC**CGGATCGCC**

ATGTCAAAGTGTGGTGGTGGCTTCTGTGCGTCTATGGTGAGGAGCCATCCGAAGAGTGCTTGGCTCTCCACGCGATACCGTGCAGAAAGAGCTCGGAAGCGAAATATACCTCTGCCACTCAATATTAATCACAA
CGAGAAAGCAACAATCGGCATGGTTCGCGGATTGTTGACTTGGAGCATGGTCTCTTCTGTGTGGCCAG
ATCCAGTCTCAGACCTTTATGGACATTATTCGAAACATCGCAGGCAAGTCAAAGCTGATCACAGCCGGCT
CTGTAATAGAACCTCTGCCACCCGACCCAGAAATCGAGTGTCTCTCATCATCTTTCCCGGCTTGTCCCT
CTCCTCCAAGGTCTCCAGGATGAAAACCTGGATGGTAAACCTTCTTCCACCATGTAAGTGTGTGGT
GTGGGGCGCCGCCCTGGGACGATTGCCATCTTCGGCCGGGAAATCAGCTGGATTCTGGATAGATTACGT
GTATTAGCGAGAGCGAAAAGCGACAGGTAAGTACTCGAGGGTGTGAATGTGTACTCTCAAGGGTTCGACGAGAA
CTTGTTCTCCGCGGACCTGTATGACCTGTTGGCCGACTCTCTGGACACCTCTACATCCGAAAAAGGTTCC
CGAAGCTCCAGCTCGATAAGCAGCTCTGCGGTCTGTCAAAGTGACATATTAAGGCGTCTGAGCCCC
CGGTCAAATATTGTGGCAGCGACAAAGTCGCGGGCGATCAAGTCCAGCTCACGACTGAACCTGGAAG
CGAGCTGGCTGTGAGACCTGCGACGTTCCCGTTGTACACGGTAACTACGATGCAGTCGAAAAGCGCCACA
GCTACAACCGCAATGAGTAACAAAAACCTGCCTAATAACACCCCACTCTGTCTCACCACCGTTTAGCG
ATTGTGTGTTCTTCTAAGGATGCCTTCTTGTCTGCTGAATGTGACAACTGGGCAGCAGCCAAAGT
CGTTCTCCAGTGAGCGTGCACCCACCTGTGACAGAGCAGTATCAGATGCTTCCATACTCCGAAAAGTGCA
GCAAAGATCGCCGAGCAGAAAAGCAACCCGTAACCTTCCGTGTCAGGCCATGTACCTTACTGGCATT
ATAGCCAGTCCACAGTATCCCGCAGCCCTGCACGGATACCGCAATCTAAGACACTCAAAAAACGCCA
CTTCCAGTCAGACTCCGAGGACGAGCTGAGTTTCCAGGGGATCCAGAGTACACGAAAAAGAGGCGACGC
CACCGCGTCGATAACGACGACGATAAAGAAATGGCTCGGGAGAAAAACGATCTTAGGGAACCTGTGATA
TGATCGGAATGTTGAGACAAGAGATTAGTGCCTGAAACAGTCCGCGCGCAATCACCCAGCGGCATAT
CGTGCCAAATGGAGACTCTGCCAACAATAGAGGAGAAGGGCGCAGCTAGTCCAAAGCCTTCTATACTCAAC
GCTTCACTGGCCCCAGAAACCGTAATAGGTCACTGGCAGGCCAAAATGAGAGTACAGACCTCTGAAGC
TGAACAAGAAGTTGTTTGTAGACGCCCTTAACAAGATGGATTCT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC101402 representing NP_042946

Red=Cloning sites Green=Tags

MSKVWVGGFLCVYGEEPSEELALPRDVTQKELGSGNIPLPLNINHNEKATIGMVRGLFDLEHGLFCVAQ
IQSQTfMDIIRNIAGKSKLITAGSVIEPLPPDPEIECLSSFPGLSLSSKVLQDENLDGKPFHHVSVCG
VGRRPGTIAIFGREISWILDRFSCI SESEKRQVLEGVNVYSQGF DENLFSADLYDLLADSLDTSYIRKRF
PKLQLDKQLCGLSKCTYIKASEPPVEIIVAATKVAGDQVQLTTEPGSELAVETCDVPVHGNVDVAVESAT
ATTAMSNQNLNPTTPLLSSPPFSDCVFLPKDAFFSLLNVTTGQPKIVPPVSVHPPVTEQYQMLPYSESA
AKIAEHESNRYHSPQAMYQYSPVPQYPAALHGYRQSKTLKRRHFQSDSEDELSFPDPEYTKRRR
HRVDNDDDKEMAREKNDLRELVDIMGLRQEISALKHVRAQSPQRHIVMETLPTIEEKGAASPKPSILN
ASLAPETVNRSLAGQNESTDLLKLNKLFVDALNKMDS

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NC_001664

ORF Size: 1584 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](#), [NP_042946](#)

RefSeq ORF: 1584 bp

Locus ID: 1487933

MW: 58.6 kDa