

Product datasheet for **VC101494**

U53 (NC_000898) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	U53 (NC_000898) 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 VC101494 represents NCBI reference of NP_050234 with codon optimized for human cell expression
 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCCAAGTGTGGGTGGTGGCTTCTGTGCGTATACGGGAGGAGCCTAGCGAGGAGTGTCTGGCCC
 TGCCACGCGACACTGTACAGAAAGAGCTCAGATCCGAAAATATCCACTGCCCTTGAACATCAACCATAA
 CGAGAAAGCAACAATCGGGATGGTACGGGGCCTTTTCGACCTTGAGCACGGTTTGTCTGCGTGGCCAG
 ATCCAGTCCCAGACCTTTATGGATATAATCAGAAACATCGCCTCAAAAAGCAAGCTTATTGCGGCGGGGA
 GTGTAATAGAACCTTTGCCACCCGATCCCGAGATTGAGTGTCTGTCATCATCCTTTCTGGCCTCTCTCT
 GAGTAGTAAGGTTTTGCAGGACGAGAATCTGGATGGCAAGCCATTCTCCACCACGTTCCGTGTGCGGG
 GTCGGCAGGAGGCCCGTACTATCGCAATTTTTGGGCGGAGATAAGCTGGATCCTGGACAGATTCTCTT
 GCATTTCCGAGTCCGAGAAAAGACAGGTGCTTGAAGGCGTTAACGTGTACAGTCAGGGGTTTCGATGAAAA
 TCTCTTTAGTGCAGATCTTTATGACCTCTTGGCTGACAGCTTGGACACCTCTACATCCGGAAGAGGTTCC
 CCCAAACTGCAGCTTGATAAGCAGCTCTGTGGACTTTCTAAGTGCACGTATATAAGGCATCCGAACCTC
 CAGTGGAGATAATCGTCGCAACCGGAAGGTAGCTGGGGATCAGGTCCAGCTGACAACTGAGCCTGGATC
 CGAGCTTGCAGTCGAGACCTGCGATGTGTCTGTTGTGCACGAAACTATGACGCAGTTGAGTCAGCCACA
 GCGACCACTGCTATGTCCAACCAAAATCTTCTAATACCACCACTGCTCTCTTCCCCTCCATTTTCAG
 ATTTGTGCTTCTGCCAAAAGACGCCTTTTCTCCCTGCTGAACGTAACAACAGGCCAGCAGCCTAAGGT
 GGTCCCCCTGTGAGCGTGACCCACCAGTTACCGAGCAGTACCAGATGCTCCCTTACTCCGAAAAGTGCA
 GCAAAAATCGCGGAGCAGGAGTCCAACAGATACCATAGTCCATGTCAGACTATGTATCCCTATTGGCAGT
 ATTCTCCTGTCCCAATATCCCGCCGACTGCATGGTTATAGACAACCGAAAACCTTCAAGAAGAGGCA
 CTTCCAATCCGATAGCGAGGACGAGCTCAGCTTCCAGGTGATCCTGAGTACACGAAGAAGAGACGGCGG
 CACAAGGTGGACAATGACGATGACAAAGAAATGGCTCGAGAAAAAATGACCTGAGAGAGCTCGTGGACA
 TGATTGGGATGCTCAGACAAGAGATAAATGCCCTGAAGCAGTGCAGCAGTACCCCCAGCGACACGT
 GGTGCCCATGGAGACGCTGCCTACAATAGAGGAGAAAGGTGCGGCAAGCCAAAGCCATCAATTCTTAAC
 GCCAGTTTGACACCGAAACCGTGAACAGAAGCCTCGCAGGGCAGAATGAATCCATGGATCTGCTCAAAC
 TGAACAAAAGCTTTTTCGTAGATGCGCTCAATAAAATGGATTCA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC101494 representing NP_050234
 Red=Cloning sites Green=Tags

MSKVWVGGFLCVYGEEPSEECLALPRDVTQKELRSGNIPLPLNINHNEKATIGMVRGLFDLEHGLFCVAQ
 IQSQTFMDIIRNIASKSKLIAAGSVIEPLPPDPEIECLSSFPGLSLSSKVLQDENLDGKPFHHVSVCG
 VGRRPGTIAIFGREISWILDRFSCISESEKRQVLEGVNVYSQGFDENLFSADLYDLLADSLDTSYIRKRF
 PKLQLDKQLCGLSKCTYIKASEPPVEIIVATGKVAGDQVQLTTEPGSELAVETCDVSVVHGNDAVESAT
 ATTAMSNQNLNPTTPLLSSPPFSDCVFLPKDAFFSLLNVTTGQQPKVPPVSVHPPVTEQYQMLPYSESA
 AKIAEQESNRYHSPQTMYPYWQYSPVPQYPAVLHGYRQPKTFKKRHFQSDSEDELSPFGDPEYTKRRR
 HKVDNDDDKEMAREKNDLRELVDMIGMLRQEINALKHVRAQSPQRHVVPMETLPTIEEKGAAASPSPKPSILN
 ASLTPETVNRSLAGQNESMDLLKLNKLFVDALNKMDS

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NC_000898

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_000898.1](#), [NP_050234](#)

RefSeq ORF: 1584 bp

Locus ID: 1497055

MW: 58.8 kDa