

Product datasheet for **VC101591**

U51 (NC_001716) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	U51 (NC_001716) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	U51
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC101591 represents NCBI reference of YP_073791 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAGAATATCGACCTTACCAACTGGAAGCTGCTGGCCGAGATCTACGAATACCTGTTCTTTTTAGTT
TTTTTTTCCTTTGCCTCCTGGTGATCATTGTGGTCAAGTTTAAACAATAGCACTGTGGGACGAGAGTACAC
TTTTTCTACCTTCTCCGGAATGCTGGTATATATCCTCCTCCAGTGAAGATGGGCATGTTGACCAAA
ATGTGGGACGTGAGTACCGATTACTGCATTATACTGATGTTCTGTGCAGACTTTTCTTTATCTTCTCCT
CCTGGGCACTGACCCTGCTGGCTCTTGAGAGGATCAACAACCTTTCTTTTCAAGTAAATCAAAGTCAATGA
AACCAAAATCCTGAAGCAGATGAGCTTCCAATCATCTGGGTGACGAGCATATTTTCAGGCTGCCAGATC
AGTATGAAGTACAAGAAGTCCCAAATGAACCTGGAAGATGATTACTGCCTGCTTGCATTGAACGGTCTG
CCGAAGAAGCATGGATCCTGCTCATGTACACCGTTGTCATTCCAACATTCATCGTATTCTTCTATGTCTT
GAATAAGCGATTCTGTTTCTTGAACGCGACCTGAATTCTATAGTTACACATCTGTCTCTTTCTCTTT
TTTGGAGCGCTGTGCTTTTTCTGCGAGTGTCTGAATGAATTAATTGCAATAGATTGTTTTACGGAC
TGCACGAGCTCCTGATCGTATGCCTGGAGCTGAAGATTTCTATGTCCCTACCATGACATATATCATATC
CTGCGAAAATATAGGCTGGCCGAAAAGCTTTTTTCTGCAAGTGCTTTAAACCATGCTTCTTGATGCC
TCCCTTAGGAACTTCAGCAGCCAACAAAATCAACACAATTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >VC101591 representing YP_073791
Red=Cloning sites Green=Tags

MKNIDL TNWLLAEIYEYLFSSFFFLCLLVIIIVVKFNNSTVGREYTFSTFSGMLVYILLPLVKMGLTK
MWDVSTDYCIILMFLSDFSFIFSSWAL TLLALERINNFSEIKVNETKILKQMSFP I IWVTSIFQAVQI
SMKYKKSQMNLEDDYCLLA IERSAEEAWILLMYTVVIPTFIVFFVVLNKRFLFLERDLNSIVTHLSLFLF
FGALCFPPASVLNEFNCRFLFYGLHELLIVCLELKI FYVPTMTYI I SCENYRLAAKAFCKCFKPCFLMP
SLRKLQPTKSTQF

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NC_001716

ORF Size: 882 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_073791
RefSeq ORF: 882 bp
Locus ID: 3289509
MW: 34.7 kDa