

Product datasheet for VC101400

U51 (NC_001664) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	U51 (NC_001664) 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 VC101400 represents NCBI reference of NP_042944 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGAAGGAAACAAAAGCCTCGCCTGGCCAGCGACTGCCGAATTTACGGATGGGTGTTTATCTTCT
CCTCTATTCAGCTCTGTACTATGGTACTGCTTACTGTAAGGTTAACAGCTTTAAAGTAGGTAGAGAGTA
TGCTGTATTTACTTTCCGCCGCATGCTTTTAACTGTTTTTTGTTGCCGATAAAAATGGCTTGCTGAGC
GGCCACTGGAGTCTGCCACGGGACTTTTGTGCAATCCTCCTGTACATTGACGACTTCAGCATCTATTTCA
GTTCTGGTCACTCGTGTATGGAATCGAACGCATTAACCATTTTGTACAGCACTCCACTTCTGAA
TGAGAACTCCAAGGCTCTTGCGAAGGTCTGTTTCCAATCGTGTGGATTATATCAGGGGTGCAAGCGCTG
CAAATGTTGAACAATTACAAGGCGACCGCACTGCAGAACGAGACCCACAGTGTTTCTGGCTTTCTGCG
GGAGCGGGTACGATATGTGGCTGATGCTTGATACAGCGTTATGATCCCCGTTATGCTGGTATTTATCTA
CATTTATCCAAGAATTCATGCTCCTTAAAGATGAGCTGTCCACAGTGACCACCTACCTTTGTATCTAC
CTGTTGTTGGGCACGATCGCCACCTCCCTAAGGCTGGACTGTCAGAAATGAATCCGATAAAAATTTTT
ACGGGCTGAGAGATATTTTCATGGCTCTGCCAGTCTGAAGGTTACTATATCCCGGTCATGGCCTACTG
TATGGCCTGTGACGATCACACCGTGCCAGTGCAGTGTGCTCAATTTGGCTGGTCAACCTGTGTAAGAAA
TGTTTCAGTTGCACCCGAGGAAAAGGAAAGCGACTTGGAGGTTGGGATTAAGATGCTGAAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >VC101400 representing NP_042944
 Red=Cloning sites Green=Tags

MEKETKSLAWPATAEFYGVWFIFSSIQQLCTMVLLTVRFNSFKVGREYAVFTFAGMSFNCFLLLPIKMGLLS
 GHWSLPRDFCAILLYIDDFSIYFSSWSLVFMAIERINHFCYSTPLLNENSKALAKVCFPIVWIISGVQAL
 QMLNMYKATALQNETPQCFLAFLRSGYDMWMLVYSVMIPVMLVFYIYKSNFMLLKDELSTVTTYLCIY
 LLLGTIAHLPKAGLSEIESDKIFYGLRDIFMALPVLKVYYPVMAYCMACDDHTVPVRLCSIWLVNLCKK
 CFSCTRRREKESDLEVGIKMLK

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NC_001664

ORF Size: 903 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_042944](#)
RefSeq ORF: 903 bp
Locus ID: 1487931
MW: 34.7 kDa