

Product datasheet for **VC101399**

U50 (NC_001664) Virus Tagged ORF Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | U50 (NC_001664) Virus Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | U50 |
| 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 VC101399 represents NCBI reference of NP_042943 with codon optimized for human cell expression

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

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGGCCCAGTGCAACCTGTTTTATCAGTACCCAATTACCCCTATCCTGGAGGGACACGTACGCAATATTC
TCATCTGCACAGAGAAGGATGTCGAAAAGCTCCAATCACAGTCTTCACTCAGACTCCGCGAGAAAATTGA
TCAAGGTCACCGCGATAAGTTGCTGCGCATGCGGCTCAAAACAGAGCTCGATGCGTTGCAAAAAAGATG
CAAAAGGACTCAGACGTGCTGAACCTCCACCTTAAGGCCATTGAGGATGCACTCTTGTTCAAAAACGACG
GTGAAGTCAATGTCGAGACTAAGGCGGATGCACAGCTGATTCTAAATCCCCTGAAAACTGGAGAAGTT
TAACAGGTGCGGATTACACCCCTCGACCCCTTTATAAGGTTTACGGACGATTTACAGGGAGAAATGATA
AATACTTTCTTCAACAATGCTCAGATGTGAATTTACATTTGGTTCTTGTTCTACAACTGAAGCGAG
TGTTTTATAACGAGCCTGGCCTGCGCCGGGCACTGAAGCTCACCAACGTAGATAGCCTTACCATCAGCAA
GGAAGTGTGGCAGTACTGTCAACGCACTCGAACAAGCAACAGTATACCTATCTTCGGATCCGAAATG
TCTGACCTTGAAGCTGCTCTCTGCATCCTCGTGCATTCTATTCTACGTATGAAAACAGTCAAATGATG
AAAGGACTACACTGGTTGACGTATCACACTCCTTCTGTATATTTGCGCTGCTTGGATCTGAAATTAC
CGCTCTGAAAAATGTCTCCCATCTGGAACCTACTTTGGATTTAACGATCCATCCTGTATGAAGTTCTTC
GTCCCTATGAGGAAAGGAAAGCACTATGCAGAGAACACCTTCGGAACCATGTGTTGATCAAAATGCTGC
TCGGACGAGGTGTGATGCAAAAAATCCCTGGCGAGAAGATATCTCAGAATTTTGTGTTGGAAGCGAGGCT
GCACGGGGCCATCAAGAATGATGCTTGGTCTATTGGACCTACCAGCTCATGAGACCCAAGTTGGGAAAT
AATGTGCCTATATTTATCCATGACCAACTACTCGCGTCCGGCTTGTGGCAATCGAGTCTCTTTTCT
TGCTCTGGAGAATCCTTAACAGCGAGTCCCTGTTAATAAGAGGGTTGGGAAGTTTCTGCTGACCTCAAT
CTTTCCGAGCTGGAGAACGTGGACTTTGCTGAGAATACTTTGAGGCAGGCAATATCCAGAATTTGAA
TACCTGATGCACCATTATGTGGTCCCATGTACAACCTGCAGAATGACATCAGCATCTCTACACTGTTTC
CTGGTCTGGTCCGCTGTGTGAACGAGAGTGTTCGACTCGGCTGGGAGCACAATGTGCAGGGGCACC
TAGCGACGCCGTCCAAGTGCAAAGTAAGGAAAATCCCTTTGTCGAGTATATACGCGCACAATGGAGCAG
CAAGCGGACGTTGCAATCCTGGAGAAGCAGACTGTATCCTGTTTACCTGGAGAATGGCCTGAACATCA
CTCTGAGCTTACCCTGCCCCGACAAAGACTTTTTGCCATGGCGAGCTACTGTTAACGTTAATGACAC
ATACGATTCATATACTTCTGGTCTGGGCTTTTTGCCATTCCGGCCGTGATC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC101399 representing NP_042943

Red=Cloning sites Green=Tags

MAQC�LFYQYPITPILEGHVRNILICTEKDVEKLSQSSRLREKIDQHRDKLLRMRLKTELDAEQKMM
QKDSVNLNSHLKAIEDALLFTNDGEVNVETKADAQLIPKSPEKLEKFNQVAITPLDPFIRFTDDFRGEMI
NTFFNNAQMWNFTFGSWFYKLRVFNPEPLRRLKLTNVDSLTIKELLAVTVNALEQATVYPIFGSEM
SDLEAALCILAIFYSTYENSQIDERTTLVDVITLLPVIFRLLGSEITALKNVSPSGTYFGFNDPSCMKFF
VPMRKGKHYAENTFGNHVLIKMLLGRGVMQKIPGEKISQNFVDEARLHGAIKNDVLVYWTYQLMRPKLGN
NVPIFIHDQHYLRSLVAIESLFLWRILNSESLFNKRVGKFLLSIFPQLENVDFEAENFEAGNIQNF
YLMHHYVPMYNLQNDISISTLFPGLVAVCVNESVRLGWEHKCAGAPSDAVQVQSKENPFVEYIRAQMEQ
QADVAILEKHDCILFHLLENLITLSFTLPRQLRFAMASSLFNVNDTYDFIYFLVLGFLPIPAVI

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NC_001664

ORF Size: 1665 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_042943](#)

RefSeq ORF: 1665 bp

Locus ID: 1487930

MW: 63.6 kDa