

Product datasheet for **VC101398**

U49 (NC_001664) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	U49 (NC_001664) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	U49
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC101398 represents NCBI reference of NP_042942 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGTCCCTGACCGCCTCCCTGACATTCGAAAGAAAATTGGCCAGTTTCACACCTGCGCATTTACAAGC
AGATACTTTCCTTGCAAGGGAACCTTTCGAGGCTGAACATTTCTGGGTGATGTCTTCCAGCTAACCT
CCGCTCCGCTCTGTTAGCGTATCTTTGAGGTGCGACTGGGACCTAGAATTCAGACTGTATCGTGTG
CTTAAGAGCGTCGATGCCAAAGATGAGTTCGCATTTTCATTGCTACTTCTTTGAGTTCAAACACTTTGG
GGAAATCTACGATGCAGTCCGTACACCATAACTGCATCCACCAGGCACAGTACCTGCAGGGCTGAGGCA
GTTGCAACAGAGCATCTCTTTCCTCGATCAGTACCTGATCGCCGACGAAGTGAGCTGGAACGTGGTGCCG
GTCATTTGCTTCTTAGGCAGTGGGCTCAAGCTGGATTTTTTAAAAAGTTTTCCGGGAAAAACAAAGC
GGCTGTCTTTAGTTTTATCCGGGATCTCTTCGCCAGGAGCCAGGATGGCGCAGTCCAGAGTCTCCTGAG
CATTCCAACTATACTAACTTCCGACGCGCATGCCAGAAGCATACTGATCTGTATAGAAAGCGCTGTAGA
AAAGCCCCAAAATCTGTTCTGACCAAACCTCTGGAGAGAACCAGCCGCGCTCCCGCAAGTGGCCA
AGAACGCCCAAAGAACAAGATTTCGCCAACAGCCAAGAAGGACGCAAAGAGGCAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >VC101398 representing NP_042942
 Red=Cloning sites Green=Tags

MSLTGLPDIRKKIGQFHHLRIYKQILSLQGNFARLNYFLGDVFPANLRSASVSVFFEVRLGPRIPDCIVL
 LKSVDADKDEF AFHCYFFEFKTTLGKSTMQSVHHNCIHQAQYLQGLRQLQQSISFLDQYLIADEVSWNVVP
 VICFFRQWGLKLDFFKKFSGKTKRLSFSFIRDLFARSQDGA VQSLLSIPNYTNFRACQKHTDL YRKRRCR
 KAPKSVLTKTSGENRSRASRQVAKNAPKNRIRRTAKKDAKRQ

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NC_001664

ORF Size: 756 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_042942
RefSeq ORF: 756 bp
Locus ID: 1487929
MW: 29.3 kDa