

Product datasheet for **VC101387**

U39 (NC_001664) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	U39 (NC_001664) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	U39
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 VC101387 represents NCBI reference of NP_042932 with codon optimized for human cell expression

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

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCCAAAATGGCAGTGTCTTCTCGCGTGTCTCATGAACAGCGTCTGATGATTTACTGCGACC
CCGACCACTACATTCGGGCCGGTTATAACCACAAGTACCCTTTCGGATCTGTTCCATCGCCAAAAGTAC
AGACCTGATGAGGTTTCGATCGGGATATAAGTTGTTCTCCCTACAAGTCTAACGCCAAAATGTCAGAAGGT
TTCTTCATCATCTACAAAACCAATATAGAGACATACACATTCCTCGTGAGAACATATAAAAAAGAACTCA
CATTTCAAAGTTCATATAGGACGTTGGCGTTGTATATTTCTGGACAGAACTGTTATGGGCCTCGCCAT
GCCCGTCTATGAGGCAAATCTGGTGAATAGTCACGCTCAGTGCTACTCTGCAGTGGCAATGAAACGCCCT
GACGGCACCGTCTTCTCCGATTCCACGAAGATAACAACAAGAACAACACCCTCAACCTCTTTCCCTCA
ATTTCAAGAGCATAACCAATAAGAGGTTTCATAACAACCAAGGAGCCATACTTTGCTCGCGGACCACTGTG
GCTGTACAGTACCAGCACATCACTCAATTGTATTGTAACCGAAGCAACCGCTAAGGCCAAGTATCCCTTC
AGTTACTTCGCTTGACTACCGGAGAAATGTTGAGGGCTCCCTCTTTTAAATGGATCCAACGGTAAGC
ACTTCGCCGAGCCCTCGAGAAGCTCACCATCTGGAGAACTACACTATGATCGAGGACCTGATGAACGG
TATGAATGGAGCAACCACTCTGGTGCAGAGATCGCTTCTTGGAAAAGGCCGATACGCTGTTGAGTGG
GAAATCAAAGAGGAGAACGAGTCTGTCTGCATGCTGAAACATTGGACAACAGTAACCCATGGTCTGCGCG
CTGAGACGAATGAGACCTATCATTTTATTAGCAAGGAAGTACCGCCGCATTCTGGCCACCAAAAAGAAATC
TCTTAACCTTACAGACCCGAAACAGACGTGCATAAAGAATGAATTTGAGAAAATCATCAACGAGGTTTAT
ATGAGCGATTACAACGACACCTATTCATGAATGGATCATACCAATATTCAAAACAACCGGACCTGATG
TTCTGATTTGGCAGCCACTTGTCCAAAAGTCACTCATGTTCTCGAGCAGGGCAGTGAAAAAATCCGGCG
GAGAAGGGACGTGGGCGACGTGAAGTCCAGACATGACATTTCTTTACGTTTACGTTTCACTACCTTTATGAT
ACTTTGAAAGACTACATCAATGATGCTCTTGGTAACCTCGCAGAGAGCTGGTGCCTGGATCAGAAGCGAA
CGATAACAATGTTGATGAGCTCTCTAAAATATCTCCCTCCTCTATCGTTAGCGAGGTGATGGCAGACC
CATCAGCGCCAGCTGCACGGTGTGCTTGGCGATCTCTAAGTGTATCGAAGTTAACAGTCAAGTGTG
CAATTGCACAAGTCAATGAGAGTGGTGGATGCTAAGGGGGTGGAGTCCGAGACCATGTGCTACAATAGAC
CTCTTGTACCTTTTCTTTCGTTAATTCTACGCCGAGGTAGTCCAGGTCAACTGGACTGGACAACGA
GATCCTTCTCGCGGACCACCGGACAGAAGAATGTGAGATTCCAAGCACCAGATCTTTCTGTCTGGGAAT
CACGCCACGTCTATACAGACTATACTCACCAATTCCACCCCATCGAAGATATCGAGGTCTGGACG
CATTCAATTCGACTGAAAATTTGATCCTTTGGAGAATGCCGACTTCAAGGTTCTGGACTGTATAGTCCCGA
CGAACTCAGCCGCGCTAACGTGTTTACTGGAGAATCCTTCGAGAATATAACAGCTATAAGTCCGCC
CTTTACACGATCGAGGCCAAGATTGCCACTAATACACCCTCTTACGTTAACGGAATAAATAGTTTCTCC
AGGGTCTCGGCGCCATAGGGACCGGTCTGGGAAGTGTGATCAGCGTGACCGCTGGCGCCCTGGGGGACAT
TGTGGTGGCGTGGTGTCTTTCTTAAGAACCCTTTGGTGGTGGGCTGATGCTGATCCTGGCGATTGTG
GTAGTCGTAATTATTATCGTCGTTTTTGTGCGGCAGCGGCAGTCTTGGCAAACCCATAGACATGATGT
TCCCTTATGCGACCAACCCGTTACTACCGTCTCCTCCGTAACCGGCACGACGGTTGTGAAGACCCCATC
CGTGAAAGATGTCGATGGTGGCACCTCAGTTGCCGTGTCAGAGAAAAGAAGAAGGAATGGCCGACGTGAGT
GGACAGGTCTCAGATGATGAGTATAGTCAGGAGGACGATTGAAGATGCTTAAGGCTATTAAAGAGCTGG
ATGAGAGCTACCGCCGAAAACCCAGCTCTTCTGAAAGTACGCATCTAAGCCAGTCTTATCGATCGCAT
TCGGTACCGGGCTATAAGAGTGTGAATGTTGAGGAAGCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC101387 representing NP_042932
 Red=Cloning sites Green=Tags

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MSKMAVLFLAVFLMNSVLMICYDPDHYIRAGYNHKYPPFRICSIAKGTDLMRFDLDRDISCSPIYKSNAMKSEG
FFIIYKTNIEYTFPVRTYKKELETFQSSYRDVGVVYFLDRTVMGLAMPVYEANLVNSHAQCYSAVAMKRP
DGTVFSAFHEDNNKNNTLNLFLPLNFKSITNKRFITTKPEYFARGPLWLYSTSTSLNCIVTEATAKAKYPF
SYFALTTGEIVEGSPFFNGSNGKHFAEPLKLTILENYTMIEDLMNGMNGATTLVRKIAFLEKADTLFSW
EIKEENESVCMLKHWTTVTHGLRAETNETYHFISKELTAAFVAPKESLNLDPKQTCIKNEFEKIINEVY
MSDYNDTYSMNGSYQIFKTTGDLILIWQPLVQKSLMFLEQGSEKIRRRRDVGDVKSRRHDILYVQLQYLYD
TLKDYINDALGNLAESWCLDQKRTITMLHELKISPSIVSEVYGRPISAQLHGDVLAISKIEVNQSSV
QLHKSMRVVDAKGVRSCTMTCYNRPLVTFVFNSTPEVVPQGLDNEILLGDHRTEECEIPSTKIFLSGN
HAHVYTDYHTNSTPIEDIEVLDAFIRLKDPLENADFKVLDLYSPDEL SRANVFDLENILREYNSYKSA
LYTIEAKIATNTPSYVNGINSFLQGLGAI GTGLGSVISVTAGALGDIVGGVVSFLKNPFGGGLMLILAIV
VVVIIIVVVRQRHVL SKPIDMMFPYATNPVTTVSSVTGTTVVKTPSVKDVDDGGTSVAVSEKEEGMADVS
GQVSDDEYSQEDALKMLKAIKSLDES YRRKPSSSESHASKPSLIDRIRYRGYKSVNVEEA
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TRTRRLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NC_001664

ORF Size: 2490 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_042932](#)

RefSeq ORF: 2490 bp

Locus ID: 1487917

MW: 93.2 kDa