

Product datasheet for **VC101578**

U39 (NC_001716) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	U39 (NC_001716) 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 VC101578 represents NCBI reference of YP_073779 with codon optimized for human cell expression
 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAAGATTCTCTCCTGTCTGTGTTTCATCACATTTAGTCTGCAGCTCAGCCTGCAGACCGAAGCCGATT
 TCGTAATGACCGGTCACAACCAGCATCTGCCATTTTCGGATCTGTTCCATCGCCACAGGTACAGATCTTGT
 GCGGTTTCGACCGGAAGTCTCCTGCGCTTCTTATGGCTCAAATATTAAGACCACCGAGGGAATCCTTATC
 ATCTATAAAACCAAGATCGAAGCCACACCTTTTCTGTCAGAACCTTTAAAAAGGAACTCACTTTTCAGA
 CAACTTACCGCGACGTTGGGACTGTCTATTTCTGGACAGAACAGTCACCACTCTTCCCATGCCGATTGA
 AGAGGTGCACATGGTTAATACCGAGGCCGCTGCCTGAGCTCCATCTCCGTA AAAAGATCCGAGGAAGAA
 GAGTACGTGGCATATCATAAAGATGAATACGTGAATAAGACCTTGGACCTGATACCTCTTAATTTAAAA
 GCGACTGTGAGGCGCTACATAACCACCAAAGAGCCCTTCTCGGAATGGTCCCCTGTGGTTTTATTC
 CACCTCAACAAGCATCAATTGTATCGTGACCGACTGCATAGCTAAGACAAAATACCCATTGACTCTTC
 GCCCTGAGCACTGGTGGACTGTGGAAGGATCACCTTTTTATAATGGTATAAACTCTAAGACTTTTAATG
 AGCCAACAGAGAAAATCCTGTTTAGGAACAACACACAATGCTCAAGACATTCGACGACGGTTCAAAGGG
 CAATTCGTGACATTGACGAAAAATGGCATTCTTGGAGAAGGGCAATACCATTTTTAGTTGGGAAGTCCAG
 AACGAGGAATCTAGTATATGTTTGCTTAAGCACTGGATGACCATACCACACGCTCTGAGGGCCGAAAACG
 CAAATTCCTTTTCTTTTATTGCCAGGAGTTGACCGCCTCCTTCGTCCTGGAATCCAATTACACTCT
 CAGCGACTCTAAGTACAATTGCATTAACCTAATTATACATCTATCCTGGACGAGATCTACCGAACCA
 TATAACAATTCACGACAAGAACGGTTCTTATGAGATTTTTAAAAGTGAAGGAGATCTCATCTTATTT
 GGCAGCCCTGATCCAGCGGAAGCTGACCGTGCCTGGAAAACCTTAGTAACGCAAGTCGCAACCGCGCAA
 GCGCAACTTGAGACCAATAAAGACATCGTGTATGTGCAACTGCAGTACCTGTACGACACGCTCAAAGAT
 TACATTAACACTGCATTGGCAAATGGCAGAGGCATGGTGTCTGGATCAGAAGAGGACCATCACGGTGC
 TGCACGAGCTGAGCAAAAATTCGCCGAGCGGCATAATCTCTGCTGTCTACGGCAAACCCATGTCTGCGAA
 GCTCATTGGGGATGTGCTGGCTGTGCAAAGTGCATCGAGGTTAATCAGACGAGCGTGCAGCTCCACAAA
 TCAATGAGGCTGACGAAAGATAGTTCATACGATGCCCTTCGCTGTATAGTAGGCCACTGCTCACTTACT
 CATTGCTAACAGCAGTAAGGAGACCTACCTTGGACAGCTGGGACTCGACAATGAAATCCTCTTGGGTAA
 TCACCGGACCGAGGAGTCCGAACAGTCTAACACGAAGATTTTCTTGAGCGGAAAGTTCGCTCACATCTTC
 AAAGACTATACATACGTGAATTCATCACTCATCTGAAATAGAGGCTCTTGATGCCTTCGTGGACCTGA
 ACATAGATCCCCTTGAAAACGCAGACTTTACCCTGCTGGAGCTGTATACAAAGGATGAACTCAGCAAAGC
 CAATGTCTTTGACTTGGAGACCATCTGAGGGAGTATAATTTTATAAAAAGCGCTCTTCATCATATAGAG
 ACAAAGATAGCCACAGTGACCCCGACCTACATTGGTGGCATCGATACCTTCTTTAAAGGGTTGGCGGCC
 TGGGACTGGGATTGGGCGCTGTGCTCGGAGTGACTGCCGGTGTCTCGGTGACGTAGTCAATGGCGTGT
 CTCTTTCTGAAGAACCCTGTCGGAGGTGCACTGACTATCCTGCTCACGCTTGGAGTTATCGGCCTGGTT
 ATCTTTCTGTTCTCCGCCATAAGCGACTCGCACAGACCGGATTGATATCCTGTTTCCATATAAAGTA
 AATCTACCAATTCGTGCTGCAGGCCACCCAGAGTGTTTACGGCACAAGTAAAGGAACCTCTGACAGCTC
 CCCCCCTATCTGAAGACAAAATAAGGATACAGAACCCTCAGGCGGATGACATCACTCACAGCAATGAATAC
 TCACAGGTGGAGGCCCTCAAGATGCTTAAGGCCATCAAGTTGTTGGATGAATCCTATAAAGAGGCTGAGA
 TTGCCGAGGCCAAGAAGTCTCAGCGCCATCCCTGCTGGAGCGGATCCAGTACAGAGGTTACCAGAACT
 CTCCTACTGAGGAACTT

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >VC101578 representing YP_073779
 Red=Cloning sites Green=Tags

MKILFLSVFITFSLQLSLQTEADFVMTGHNQHLPRFRICSIATGTDLVRFDREVSCASYGSGNIKTTEGILI
 IYKTKIEAHTFSVRTFKKELTFQTTYRDVGTVYFLDRTVTTLPMPIEEVHMVNTEARCLSSISVKRSEEE
 EYVAYHKDEYVNKTLDLIPLNFKSDTVRRYITTKEPFLRNGPLWFYSTSTSINCIIVTDCIAKTKYPDFDF
 ALSTGETVEGSPFYNGINSKTFNEPTEKILFRNNYTMLKTFDDGSKGNFVTLTKMAFLEKGNITFSWEVQ
 NEESSICLLKHWMTIPHALRAENANSFHFIAQELTASFVTGKSNYTLSDSKYNCINSNYTSILDEIYQTQ
 YNNSHDKNGSYEIFKTEGDLILIWQPLIQRKLTVLENFSNASRKRKRELETNKDIVYVQLQYLYDTLKD
 YINTALGKLAEAWCLDQKRTITVLHELKISPSGIISAVYGKPMsAKLIGDVLAVSKCIEVNTSVQLHK
 SMRLTKDSSYDALRCYSRPLLTYSFANSSKETYLGQLGLDNEILLGNHRTEECEQSNTKIFLSGKFAHIF
 KDYTYVNSSLITEIEALDAFVDLNDPLENADFTLLELYTKDEL SKANVFDLETILREYNSYKSALHHIE
 TKIATVTPTYIGGIDTFKGLGALGLGAVLGVTAGALGDVVNGVFSFLKNPFGGALTILLTLGVIGLV
 IFLFLRHKRLAQTPIIDILFPYTSKSTNSVLQATQSVQAQVKEPLDSSPPYLKTNKDTEPQGGDITHNEY
 SQVEALKMLKAIKLLDESYKAEIAEAKKSQRPSLLERIQYRGYQKLSTEEL

TRTRRLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:



ACCN: NC_001716

ORF Size: 2466 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_073779](#)

RefSeq ORF: 2466 bp

Locus ID: 3289497

MW: 93.1 kDa