

Product datasheet for **VC100904**

UL39 (NC_001798) Virus Tagged ORF Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | UL39 (NC_001798) Virus Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | UL39 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| ORF Nucleotide Sequence: | >The Viral ORF clone VC100904 represents NCBI reference of NP_044509 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s) |

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**

ATGGCAAACCGGCCCGCCGCTCTGCCCTCGCAGGAGCTCGATCACCGTCAGAAAGGCAAGAACCTCGAGAGCCAGAAGTTGCTCCCCCTGGGGGGATCACGTCTTTTGTGCGAAAGTGTGAGGCGTAAATGGTGTCTGCTTCCGATCCGCCCGACCTGCCGCGTACCGGATATCAGATTCTCCTTTGTACAATGTGGCTCCAAGTGTCTATGATCATCGACGGCGACGTTGCACGCGGGCACCTCAGGGATCTCGAGGGGGCTACTAGCACCCTGCTTTTCGTTGCCATCTCCAATGTAGCTGCCGGGGTGTGCGCGAACCGCGGTAGTGGCTCTTGGAGGCACCTTCTGGCCCTTACGCTACCACGAGTGTCCGCACACAGACCTCTGGTGAGTCTTGCATGGGAATCCACGGACTCCTGAACCCCAAGGGCCTCAGGCTGTCCCACCTCCACCACCACCGCCATTCCCTTGGGGGCACGAGTGCTGCGCCAGGAGGGACGCTAGGGGCGGAGCTGAAAAAGATGTGGGTGCCGCGGAGAGCTGGTCAGACGGCCCAGCTCTGACTCAGAAACCGAGGACAGTCAAGCGATGAAGATACAGGCAGCGAGACTCTCAGCAGGTCTTAGCATATGGGCTGCTGGTGAACCGATGATGACGATTCCGATAGCGATAGCAGATCCGACGATAGCGTTCAACCGACGTGGTGGTAAGGCGCAGGTGGAGCGACGGCCCTGCTCCTGTGGCTTTTCCAAACCGAGACGGCCTGGCGATTCTCCAGGGAACCCGGGGCTGGGTGCGGGAACAGGCCCTGGCTCAGCCACTGACCCACGCGCTTCCGCAGATTCTGATTCTGCTGCCACGCTGCTGCCACAGGCTGACGTGGCCCTGTGCTCGACAGCCAGCCACCGTGGGAAGTACCCTGGATACCCTGTTCTTTGAACTGACTCCAGAGAAAGTCTGAAGCTGTGGCTAGATTCTGGGCGATGCGGTGGACCGAGAGCCAGCCCTTATGTTGGAGTATTTTGGCCGCTGTGCTCGAGAGGAATCCAAGCGAGTGCCTCCACGGACCTTCGGGTCCGCTCCGCGCTTGACAGAGGATGATTTCCGACTGCTCAACTACGCCCTCGCCGAGATGAGGAGACTGTGCTGGATCTCCCGCTGTGCCCTAACGCCTACACTCCCTACCACCTCCGCGAATGCTACCCGATTGGTTAATGGCTTCAAGCCTCTGGTGAGAAGAAGCGCCAGGCTGTACAGAATCTGGGGTCTGGTTCACTTGCGAATCCGAACCCGGGAAGCCAGCTTTGAAGAGTGGATGAGAAGTAAGGAAGTGGATCTGGACTTTGGACTTACCAGAAAGGCTCCGCGAGCAGGCTCAGCTCATGATCCTCGCACAGGCTCTGAATCCGTATGATTGCTTACTACTACTCCAAACACGCTTGTGAAAGGGGACTCCAATCCGCACTGAAGTATGAGGAGTTCTACTTGAACGGTTTG



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GCGGTCACTACATGGAGTCTGTGTTTCAGATGTACACACGAATTGCCGGATTCTTGGCATGCCGAGCTAC
 ACGCGGTATGCGGCACATTGCACTGGGGAGGCAGGGGAGCTGGTGGGAGATGTTCAAGTTCTTTTAC
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 AGAAAGGCAACCAATAGCGGCGTTTTGCTGGAGACGACAACATCGTCTGCACTAGTTGTGCGTTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
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Protein Sequence:

>VC100904 representing NP_044509
 Red=Cloning sites Green=Tags

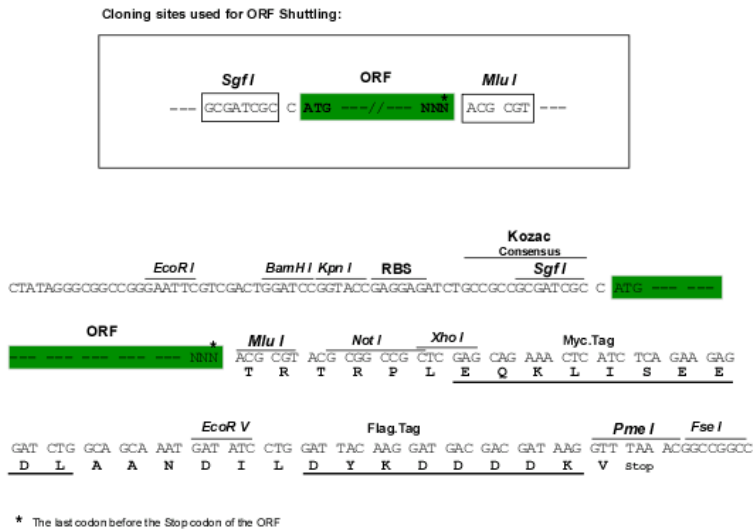
MANRPAASALAGARSPSERQEPREPEVAPPGGDHVFCRKVSGVMVLSSDPPGPAAYRISDSSFVQCGSNC
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 TPEPQGPQAVPPPPPPFPWGHECCARRDARGGAEKDVGAAESWSDGSSDSEDESDSSEDETGSETLS
 RSSSIWAAGATDDDDSDSDSRSDSVQPDVVRRRWSGDPAPVAFPKPRRPGDSPGNPGLGAGTGPGSAT
 DPRASADSDSAHAAAPQADVAPVLDSPQTVGTDPGYPVPLELTPENAEAVARFLGDAVDREPALMLEYF
 CRCAREESKRVPRTFGSAPRLTEDDFGLLNLYALAEMLRCLDLPPVPPNAYTPYHLREYATRLVNGFKP
 LVRRSARLYRILGVLVHLRIRTRIASFEEMWSKEVDLDFGLTERLREHEAQLMILAQALNPYDCLIHST
 PNTLVERGLQSALKYEEFYLRKFRGGHYMESVFMQYTRIAAGFLACRATRGMRHIALGRQGSWEMFKFFFH
 RLYDHQIVPSTPAMLNLGTRNYYTSSCYLVNPQATTNQTALRAITGNVSAILARNGGIGLCMQAFNDASP
 GTASIMPALKVLDLVAHANKQSTRPTGACVYLEPWHSDVRAVLRMKGVLAGEEAQRCDNIFSAWMPDL
 FFKRLIRHLDGEKNVTWLSLFRDRTSMSLADFHGEEFEKLYEHLEAMGFGETIPIQDLAYAVRSAATTGS
 PFIMFKDAVNRHYIYDTQGAIIAGSNLCTEIVHPASKRSSGVCNLGGSVNLARCVSRTFFDFGRLRDAVQA
 CVLMVNIIDSTLQPTPQCTRGNDNLRSMGIGMQGLHTACLKMGDLLESAEFRDLNTHIAEVMLLAAMKT
 SNALCVRGARPFSHFKRSMYRAGRFHWERFNASPRYEGEWMLRQSMMKHGLRNSQFIALMPTAASAI
 SDVSEGFAPLFTNLFKSVTRDGETLRPNTLLLKELERTFGGKRLLDAMDGLEAKQWSVAQALPCLDPAHP
 LRRFKTAFDYDQELLIDLCAFRAPYVDHSQSMTLVYTEKADGTLVRLVHAYKRGLKTGMYYCKV
 RKATNSGVFAGDDNIVCTSCAL

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN:

NC_001798

ORF Size:

3426 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.

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| 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: | <ol style="list-style-type: none">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: | <u>NC_001798.1</u> , <u>NP_044509</u> |
| RefSeq ORF: | 3426 bp |
| Locus ID: | 1487325 |
| MW: | 124.9 kDa |