

Product datasheet for **VC100903**

UL38 (NC_001798) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	UL38 (NC_001798) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	UL38
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 VC100903 represents NCBI reference of NP_044508 with codon optimized for human cell expression
 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAAGACCAAGCCGCTCCCGACTGCACCAATGGCCTGGGCCGAGTCTGCTGTGCGAACTACCACGTCCC
 CAAGAGAACTGGCGGGACATGCCCACTCCGCCGAGTCCCTCAGACCACCTATTGCGCGGGAGATGGGCC
 AGTTCTGCTGGGAGATCGCGCACCCAGACGCACTGCAAGTACAATGTGGTTGCTTGGCATTGATCCAGCT
 GAGTCACTCCGGGGACAGGGCAACTAGAGATGACACCGAACAGGCTGTGGATAAGATTCTCAGAGGAG
 CGCGCCGCGCCGGAGGCCTCACGGTACCAGGCGCACCGGTACCATCTGACAAGACAAGTCACTTTGAC
 AGACCTCTGTAGCCCAATGCCGAACCCCGGAGCTCTGCTCCTCGCCCTTAGACATCCAAGTATCTC
 CCGCACCTCGCCGCCACCGGGCACCACTGGGCGCCAGACTGAAAGACTCGCCGAAGCGTGGGGGACG
 TCTTGGAAAGTTCAGCTCTGGGTTCAAGACGGGCGGAGTCAAGGTGCGCGGGGGGGACTCGTCTCTTT
 CAATTTCTTGTGGCCGCTTGCCTGCCCGGTACGACGCCAGAGACGCTGCAGAGCCGTCAGAGACAC
 ATTACCACAAATTATGGAGGAACTCGCGCTGGTGAAGACTGGACCGGTTTTCCGAGTGCCTGAGGGCTA
 TGGTCCACACTCATGTCTCCCTCACGAGGTGATGAGATTTTTCGGGGGGCTGGTGAAGTGGGTGACCCA
 GGATGAGCTGGCATCTGTGACGGCTGTGTGACGCGGCCCTCAGGAAGCAACATACTGGCCACCCCGGC
 CGACCTCGATCAGCCGTACAATACCTGCCTGCGCATTTGTCGATCTGGATGCGGAGTTGTGCTCGGGG
 GTCCCTGGGGGGCTTTCCTGTACCTCGTTTTCACTTATCGCCAATGTGAGACCAGGAGTTGTGTGCGT
 GTACGTCGTGAAATCCCAGCTCCCGCCACGAGGCTGAGGATATGACTCCCCACCACCAACAGGAATGTTGATTTTC
 CTTTGGCCGTGCCTGCTGCTAGCTCACAGAGCCCAAGATGTTTCAAGCAAGCCAGGTGACAAACCCCAAGTT
 TGTAGACCGACTGTACCGGTGGCAGCCTGACCTGCGCGGTGCGCCACCGCCAGAACATGTACTTACGCA
 GCCTTTGCGGAATTGGGAGTCATGCCGGACGATTCTCCACGCTGCCTGCACAGGACTGAGCGGTTGCGGG
 CCGTCGGAGTCCCGGTGCTGATTTTGAAGGGTCTGATGGCGCGCAGCCGGATGGCGCGCTGTGCG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC100903 representing NP_044508
 Red=Cloning sites Green=Tags

MKTKPLPTAPMAWAESAVETTTSPRELAGHAPLRRVLRPPIARRDGPVLLGDRAPRRTASTMWLLGIDPA
 ESSPGTRATRDDTEQAVDKILRGARRAGGLVPGAPRYHLTRQVTLTDLCPNAEPAGALLLALRHPTDL
 PHLARHRAPPGRQTERLAEAWGQLEASALGSGRAESGCARAGLVSNFLVAACAAAYDARDAEAVRAH
 ITTNYGGTRAGARLDRFSECLRAMVHVFPHFVEMRFFGGLVSWVTQDELASVTAVCSGPQEATHGHPG
 RPRSAVTIPACAFVDLDAELCLGGPWGAFLYLVFTYRQCRDQELCCVYVVKSQLPPRGLEAALERLFGRL
 RITNTIHGAEDMTPPPNRNVDPLAVPAASSQSPRCSASQVTNPQFVDRLYRWQPDLRGRPTARTCTYA
 AFAELGVMPDDSPRCLHRTERFVAVGVVILEGVVWRAAGWRACA

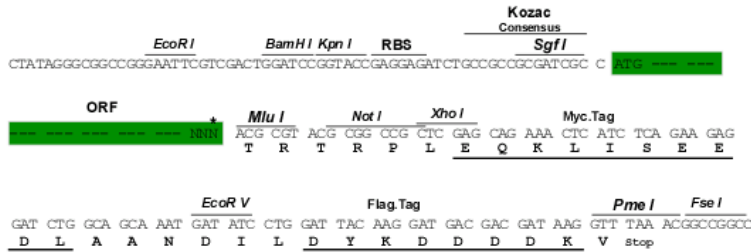
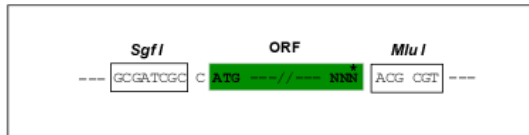
TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NC_001798

ORF Size: 1398 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_001798.1](#), [NP_044508](#)
RefSeq ORF: 1398 bp

Locus ID: 1487324

MW: 50.5 kDa