

Product datasheet for **VC100825**

UL37 (NC_001806) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	UL37 (NC_001806) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	UL37
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC100825 represents NCBI reference of NP_044639 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**

ATGGCCGACCGCGCCTGCCGTCCGAAGCACCGGTCGTTACCACTAGTCCTGCTGGTCCACCGAGTGATG
GACCGATGCAACGATTGTTGGCAAGTTTGGCAGGCCTGCGGCAGCCGCAACTCCGACAGCTGAGACTGC
AAATGGCGCTGATGATCCCGCTTTTCTTGCCACTGCTAAGCTGCGCGCGCAATGGCCGCTTTTTGCTT
TCTGGAAGTCTATCGCGCTGCTGACGCCCGGACTGTTGGAGCCGCTTCTTGAACATCTGTGCC
TGATCGCGCTCATGGACTCCCTGAAACCGCTTTGCTCGCTGAAAACCTCCAGGATTGCTGTACACAG
GCTTGTGCTCGCATTGCCGGAGGCTCCCGATCAGGCCTTCGCGAGATGGAGGTGATTAAGGACACAATC
TTGGCCGTACAGGGAGCGACACATCTCATGCCCTGGATAGCGCAGGACTCCGCACGGCCGCTGCCTGG
GTCCGGTAAGGGTGAGGCAATGCGCCGTCGAATGGATCGACAGGTGGCAAACCGTGACTAAGAGCTGCTT
GGCCATGAGCCCAAGGACTAGCATTGAGGCTCTTGGTGAACATCTCTGAAGATGGCCCCAGTGCCACTG
GGTCAGCCATCTGCTAACCTTACTACCCGGCTTACTCCCTGCTGTTCCAGCACCGTTTGTGCAGGAAG
GTCTGAGATTCTGGCGCTCGTATCAAATAGGGTTACCCTGTTTAGTGCCACCTGCAGCGGATTGATGA
TGCTACCCTCACACCTTACTCGAGCCCTTCTACTCTTGCCCTCGTGGATGAGTACCTGACAACCCCT
GAGAGAGGTGCTGTAGTGCSCCCCCGCTGCTCGCCAGTTCCAACACACTGTCCGGGAGATTGACCCCG
CCATTATGATCCCGCCTCTGGAGGCCAACAAGATGGTCCGGTCCCGAGAAGAAGTGCCGCTGAGTACAGC
GCTGAGCCCGCTTTCCCGAGGTCAGCCTGTGCCSCCCCCAGGGACCCTTATGGCTCGCGTGCGAAGTGC
GTAGCAGTGTGTTGACCCGGACGTCCCTTCCCTCCAGCAGCGCACTTGGCGTGTCCAGCCTGCAGTCT
CTTCCCTGCTCCAACGGGAGAACAGCCATCCGCAGGTGCACAACAGAGGCTGCTTGCACTCCTGCAACA
AACATGGACCCTCATCCAGAATACAACTACCATCCGTCGTGATTAATACCCTGATCGATGCCGGCTTT
ACCCATCCCACTGTACACACTATCTTTCTGCTTTGGAAGGATTCTGGCAGCTGGGGTCCCGCTAGAA
CCCCATCCGCCATGGCCTCGGGAGGTGCAGCAGCTCTCGGGTGTATTGCTCTGGCAGGTCACACT
CTTCGGTCTCGCCGAGAATACGGTTATTATGCCAATTACGTCAAACATTTGAAAGGGTCCAGGGTGCC
AGTGAACACACCCACGGCAGACTCTGTGAAGCCGTCGGCCTCAGTGGTGGCGTCTTAGCCAGACTCTCG



[View online >](#)

CGAGGATCATGGGTCCCGCAGTGCCCACTGAGCACCTGGCCTCCCTGAGACGAGCCTTGGTGGGTGAGTT
 TGAGACTGCCGAGAGACGGTTCAGCTCCGGGCAACCCTCCCTGCTTCGGGAGACCGCCCTGATATGGATT
 GACGTCTACGGGCAAACACATTGGGATATCACACCAACTACCCCCGAACCCCACTGAGTGCCCTGCTCC
 CAGTTGGTCAACCAAGCCATGCCCTTCCGTCCATTTGGCCGCCCTACACAAATCCGCTTTCAGCCCT
 TGAGGGAATTACCCAAATGTGCTCGCCGATCCCGGCTTCGTTCCCTTATGTGCTTGCCCTGGTCGTTGGT
 GACGCTCGCCGCTACATGTTCCGCGGCTATTTGCCAAGACCTGTGGAATTCGCCCTGAGAGTGGCTGG
 CCTGGGCTCGAGATTTCCGCTGGGATCTGCCACAGTGGAGGGCCACCGACGAAACTTGGGCACT
 GATCACACTGCTCGAGCCAGCTGCGAGGGCGGACTTGGCCCTACCATGCAGATGGCCGATAATATTGAA
 CAGCTTTTGCAGCTGTACGTAATCTCCCGCGGGCAGTTGAGCAGTTGCGGCCATTGGTACAGCTGC
 AGCCTCTCCCCACCGAGGTAGGACGTCCTCCTGCTTATCAGTATGTACGCTCTGGCCGCTAGGGG
 CGTCTTCAAGATCTGGCCGAAAGAGCAGACCCTTATCCGGCAACTCGAGGACGCAATTGACTTCTG
 CGGCTCCACATGCGAACTCTTTCAGCCTTTTTCGAGTGTAGATTCGAATCCGACGGTAGGCGACTATG
 CAGTGGTGGGAGACACCCGATAGGCTTGGTCCGTGGCCCCAGAGGCAATGGGGGACGCCGTTAGTCA
 GTACTGTTCAATGTACCACGACGCAAAGCGGCCCTGGTCCGACGCTGGCCTACTGCGGAGTGTGATT
 ACTGAAACTACGGCACATCTCGGTGTGTCGATGAAGTGGCCGCGCAAGTCAAGCAGCAAGACAAGTCC
 TGCCCGTTCGTCAGGCGCAGATCCACGGGTTCTTTTCAGTCGTGTCGGGATCCACGCTCGCGCAAGCAA
 ACTGCTTCTGGGGACCAAGTGCCCGGCTTCTGTTTCATGGGGCAGTTTCTCGCTCGCTGGCGCAGATTG
 TCAGCTTGCTATCAGGCAGCAAGGGCTGCCCGGACCCGAACCTGTGGCCGAATTTGTGACGGAAGTGC
 ACGACACATGGAAGGGACTTCAGACAGAGAGAGCCGTCGTTGTGGCCCCACTGGTCAGTTCAGCTGATCA
 GCGAGCTGCCGCATCAGAGAGGTTATGGCTCACGCGCTGAGGACGCCCCACCCAGAGTCTGCCGCG
 GATCGCGTGGTGTGACAAGCCGAGAGACCTGGTGCCTGGGGTATTATTCACCTGGCCCTCTCGGGC
 AGACCACAGCCGTCCTCCGACTCAGTGGACCTGTCCCGCAGGGGTTGCCGTGACACTCAGTATGGACTG
 GCTGCTCATGAACGAATTGCTGCGGTTACAGATGGAGTGTTCGGGCATCAGCTTTCAGACCTCTGGCC
 GGGCCAGAAAGCCCAAGGATCTTGAAGTACGGGACCGCGGAACCTCTCTGCTGCTCCCATGCCCATGG
 ATGCCCAAGCCGAGGCATACGGCCATGGCCCAAGACAAGTACAGAGAGGGGGCACCCCACTCCAA
 TACACCTGTAGAGGATGACGAAATGATCCCGAGGATACTGTCGCACCCCAACTGACCTGCCTCTCACT
 AGTTACCAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC100825 representing NP_044639
 Red=Cloning sites Green=Tags

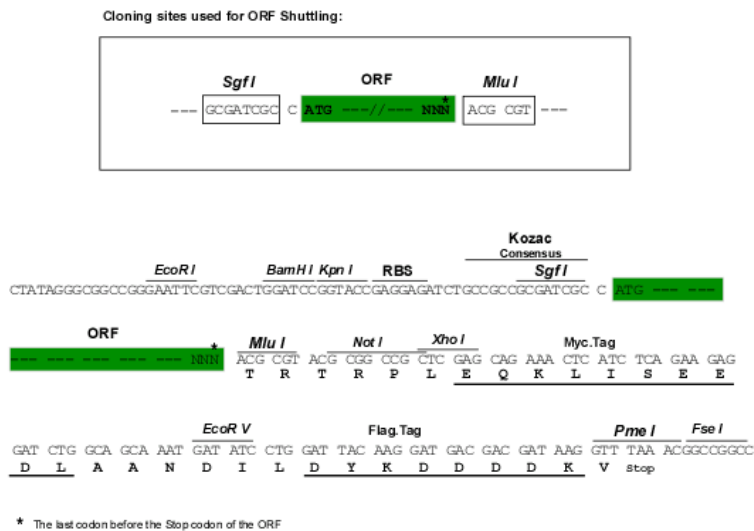
MADRGLPSEAPVVTSPAGPPSDGPMQRLASLAGLRQPPTPTAETANGADDPFLATAKLRAAMAAFL
 SGTAIAPADARDCWRPLLEHLCALHRAHGLPETALLAENLPGLLVHRLVVALPEAPDQAFREMEVIKDTI
 LAVTGSDTSHALDSAGLRRTAAALGPVVRVQCAVEWIDRWQTVTKSCLAMPRTSIEALGETSLKMAPVPL
 GQPSANLTPAYSLLFPAPFVQEGLRFLALVSNRVTLFSAHLQRIDDATLTPLTRALFTLALVDEYLTTP
 ERGAVVPPPLLAQFQHTVREIDPAIMIPPLEANKMVRSREEVVRVSTALSRVSPRSACAPPGTLMARVRTD
 VAVFDPDVPFLSSSALAVFQPAVSSLLQLGEQPSAGAQQRLALLQQTWTLIQNTNSPSVVINTLIDAGF
 TPSHCTHYLSALEGFLAAGVPARTPTGHGLGEVQQLFGCIALAGSNVFLAREYGYANYVKTFRRVQGA
 SEHTHGRLCEAVGLSGGVL SQTLARIMGPAVPTTEHLASLRALVGEFETAERRFSSGQPSLLRETALWI
 DVYQTHWDITPTTATPLSALLPVGQPSHAPSVHLAAATQIRFPALLEGIHNPVLADPGFVPYVVALVVG
 DALRATCSAAYLPRPVEFALRVLAWARDFGLGYLPTVEGHRTKL GALITLLEPAARGGLGPTMQMADNIE
 QLLREL YVISRGAVEQLRPLVQLQPPPPPEVGTSLLLISMYALAARGVLQDLAERADPLIRQLEDAIVLL
 RLHMRTL SAFFECRFESDGRRLYAVVGDTPDRLGPWPPEAMGDVAVSQCYSMYHDAKRALVASLASLRSVI
 TETTAHLGVCDELAQVSHEDNVLAVVREIHGFLSVVSGIHARASKLLSGDQVPGFCFMGQFLARWRR
 SACYQAARAAAGPEPVAEFVQELHDTWKGLQTERAVVVVAPLVSSADQRAAAIREVMAHAPEDAPPQSPA
 DRVVLTSSRDLGAWGDYSLGPLGQTTAVPDSVDLSRQGLAVTLSMDWLLMNELLRVTGDGFRASAFRPLA
 GPESPRDLEVRDAGNSLPAPMPMDAQKPEAYGHGPRQADREGAPHSNTPVEDDEMIPEDTVAPPTDLPLT
 SYQ

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN:

NC_001806

ORF Size:

3369 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:	<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_001806.1</u> , <u>NP_044639</u>
RefSeq ORF:	3369 bp
Locus ID:	2703358
UniProt ID:	<u>P04413</u>
MW:	120.6 kDa