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Product datasheet for VC100902

UL37 (NC_001798) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	UL37 (NC_001798) 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 VC100902 represents NCBI reference of NP_044507 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTCTGACAGTGCTCTGCAGGTGCCCGCCCCCGCCGGCATGACTCCACCATCTGCACCTCCACCTAACG
GCCCTCTCCAGGTTCTGCTTGGGTCTCTTACAAATCTGAGGCGACCTCCAAGTCCTTCTAGTGAGCCAGC
GGGGAGTGCTGATGAGCCTGCGTTTCTCTCAGCTGCTAAGCTCCATGCCGCTACAGCTGCCTTCCTCCTG
TCAGGCGCCGCCGTCGGACCAGCCGAGGCACGAGCATGCTGGCATCCACTGCTGGAACAGCTGTGCGCTC
TGCATAGAGCTCACGGGCTTCCTGAAACGGCACTGTTGGCCGAAAATCTGCCGGGTTTGCTGGTGCACCG
CATGGCAGTGGCTCTGCCCGAGACTCCCGAAGCCGCTTTCAGAGAAATGGATGTCATCAAGGACACCGTC
TTGGCCATTACAGGCTCAGACACTACTCACGCCTTGGAGGCGGCCGGCCTCAGGACCACCGCCGCCCTGG
GTCCCGTTAGAGTCAGGCAGTGCGCTGTGGAGTGGATCGATAGGTGGAGGACAGTTACACAGTCCTGTTT
GGCAATGAACCCACGCACATCACTCGAAGCTCTGGGCGAGATGTCTCTGAAAATGTCACCCGTCCCTCTG
GGTCAGCCTGGCGCTAATCTGACTACCCCGGCATACTCTCTGCTCTTCCCTTCACCAATTGTGCAAGAAG
GACTCCGATTCCTGGCCCTGGTTAGCAACTGGGTTACACTGTTTAGCGCACACTTGCAGCGAATTGACGA
TGCAGCCCTGACCCCACTCACACGCGCCTTGTTTACACTGGCCCTGGTCGACGACTATCTCACAACACCG
GATAGAGGCGCCGTGGTACCTCCACCTCTGCTGGCCCAGTTTCAGCATACCGTCCGAGAGATCGATCCCG
CAATTATGATTCCTCCCCTGGAGGCAACGAAGATGGTGCGCTCTCGGGAGGAGGTGCGGGTGTCAACTGC
CTTGAGTAGAGTCAGTCCACGGTCTGCTTGCGCCCCGCCTGGAACGCTCATGGCTCGCGTCAGAACTGAT
GCCGCCGTGTTTGACCCTGACGTTCCATTTCTCTCAGCTTCCGCCCTTGCCATATTCAGACCCGCTGTGA
CAGGATTGCTCCAGCTGGGAGAACCGCCGTCAGCCGGCGCCCAGCAGCGGCTGTTGGCGCTCCTTCAGCA
GACCTGGGCTCTGGTACAGAACAGCAATTCTCCCAGCGTGGTTATCAACACCTTGACAGACGCTGGGTTT
ACACCAGCCCATTGTACGCAATATATTAGTGCGTTGGAGGGCTTCCTGGTTGCCGGAGTCCCTGCCAGGA
CCCCCCCCGGTCACGGGCTCTCCGAGATTCAGCAACTGTTTGGATGCATCGCCCTGGCCGGAGCAAACGT
CTTTGGACTCGCCCGGGAATACGGACATTACGCAGGCTACGTGAAAACCTTTCGAAGGATACAGGGTGCC
TCCGAGCACACACACGGCAGACTGTGCGAAGCTGTCGGACTTTCAGGCGGGGTGCTGAGCCAGACTCTGG

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CTCGAATTATGGGACCTGCCGTGCCAACCGAACATCTGGCCAGTTTGAGGAGGACCCTTGTAGGAGAATT
CGAAACTGCCGAGAGAAGGTTCAGCGCGGGGCAGCCAAGTCTTCTGAGAGAGACCGCCCTGATATGGCTC
GATGTTTACGGCCAGACTCACTGGGATTTGACTCCTACCACACCTGCCACACCCCTCTCCGCACTTCTGC
CGGTGGGGCCACCTAGTCACGCCCCTAGCGTCCATTTGGCAGCCGCCACTAAGATACGGTTCCCCGCACT
GGAAGGGATCCACCCAAACGTCCTGGCCGATCCTGGTTTTGTTCCATATGTCCTGGCCCTTGTAGTGGGT
GATGCTCTGCGGGCCACATGCAACGCCGCTTATCTGCCAAGACCTATTGAGTTCGCCCTGCGGGTACTGG
CTTGGGCGAGGGATTTCGGCCTTGGATACCTCCCAACAGTCGAGGGCCACAGGACAAAACTTGGCGCCCT
GATCACCCTCCTGGAGCCCGCAACCCGGGCCGGCGTGGGGCCAACTATGCAAATGGCCGACAACATCGAG
CAGTTGCTGAGGGAGCTGTATGTTATCGCTAGAGGGGCTGTGGAGCAACTGAGACCAGCTGTGCAACTCC
CACCTCCTCAGCCGCCCGAGGTGGGAAGTAGTCTCCTTCTGATCTCCATGTACGCCCTGGCCGCGCGGGG
AGTTTTGCAGGAGTTGGCTGAGCGGGCTGATCCCCTCGTAAGACAATTGGAGGATGCGATCGTCCTTCTT
AGGCTGCACATGCGAACACTTGCTGCATTCTTCGAATGCCGGTTTGAGTCTGACGGGCATCGACTCTACG
CGGTGGTTGCCGATGCTCATGAGCGGTTGGGACCTTGGCGCCCGGAGGCTATGGGGGATGCCGTCTCACA
GTATTGTGGCATGTATCACGACGCCAAGCGAGCTCTGGTCGCTAGTCTCGCCGGCCTGCGGAGCGTGGTG
ACAGAGACAACAGCTCACCTCGGGGTGTGCGACGAGCTGGCCGCCCAAGTGTCACACGAGGGAAATGTCC
TGGCAGTGGTTCGGCGAGAAATCCACGGTTTTCTGGCCATCGTGTCAGGTATCCATGCCCGCGCAAGCAA
GTTGATGAGCGGAGACCAGGTACCTGGATTTTGCTACATGTCCCAATTTCTGGCCAGGTGGAGACGACTC
AGTGCTGGGTATCAGGCAGCCCGGGCGGCCACCGGCCCCGAGCGGGTAGCCGAGTTCGTGCAGGAGTTGC
ACGATACTTGGAAGGGACTGCAGACCGAGCGAGCACTGGTTGTCGCCAGATTTGCCTCAAGCGCAGACCA
GAGAACAGCCGCCATCCAAGAGGTCATGGCACACGCAACAGAGGACGCACCTCCAAGTCCCGCCGCTGAT
CTTGTCGTGTTGACCAACCGGCACGATTTGGGAGCCTGGGGCGATTATAGTCTGGGTCCCCTGGGGCAGC
CTACGGTGGTGCCTGACAGCGTGGATCTTAGCCCCCAAGGACTCGCTGCCACCCTTTCCATGGACTGGTT
GTTGATCAATGAGCTCCTCCAGGTTACGGACGGTGTCTTCAGGGCCAGTGCTTTTCGACCATCCGCTGGC
CCAGGAGCGCCTGGCGATCTCGAAGCTCAAGATGCAGGCGGGTCCACTCCCGAACCTACAACACCTGGCC
CCCAGGATACCCAAGCAAGGGCACCATCTACCAGACCCGCCGGGAGAGAAACTGTGCCATGGCCTAACAC
CCCCGTAGAGGATGACGAGATGACACCCCAGGAGACCCCACCCGTCCACCCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

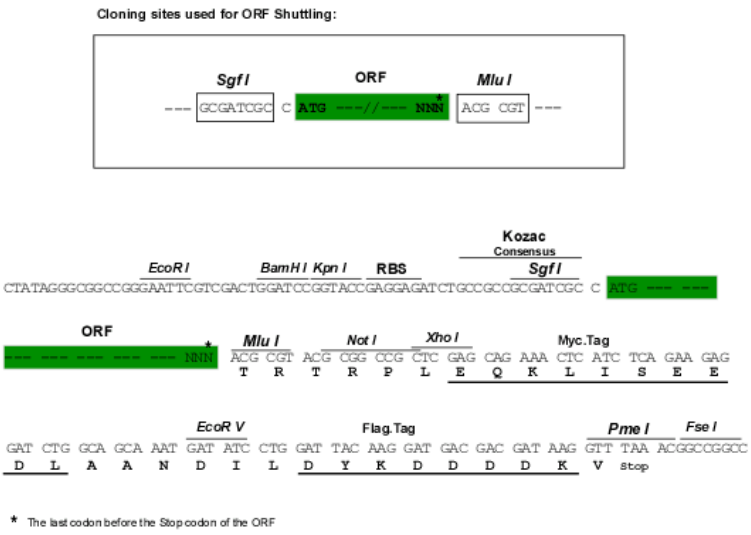
>VC100902 representing NP_044507
Red=Cloning sites Green=Tags

MSDSALQVPAPAGMTPPSAPPPNGPLQVLLGSLTNLRRPPSPSSEPAGSADEPAFLSAAKLHAATAAFLL
SGAAVGPAEARACWHPLLEQLCALHRAHGLPETALLAENLPGLLVHRMAVALPETPEAAFREMDVIKDTV
LAITGSDTTHALEAAGLRTTAALGPVRVRQCAVEWIDRWRTVTQSCLAMNPRTSLEALGEMSLKMSPVPL
GQPGANLTTPAYSLLFPSPIVQEGLRFLALVSNWVTLFSAHLQRIDDAALTPLTRALFTLALVDDYLTTP
DRGAVVPPPLLAQFQHTVREIDPAIMIPPLEATKMVRSREEVRVSTALSRVSPRSACAPPGTLMARVRTD
AAVFDPDVPFLSASALAIFRPAVTGLLQLGEPPSAGAQQRLLALLQQTWALVQNSNSPSVVINTLTDAGF
TPAHCTQYISALEGFLVAGVPARTPPGHGLSEIQQLFGCIALAGANVFGLAREYGHYAGYVKTFRRIQGA
SEHTHGRLCEAVGLSGGVLSQTLARIMGPAVPTEHLASLRRTLVGEFETAERRFSAGQPSLLRETALIWL
DVYGQTHWDLTPTTPATPLSALLPVGPPSHAPSVHLAAATKIRFPALEGIHPNVLADPGFVPYVLALVVG
DALRATCNAAYLPRPIEFALRVLAWARDFGLGYLPTVEGHRTKLGALITLLEPATRAGVGPTMQMADNIE
QLLRELYVIARGAVEQLRPAVQLPPPQPPEVGSSLLLISMYALAARGVLQELAERADPLVRQLEDAIVLL
RLHMRTLAAFFECRFESDGHRLYAVVADAHERLGPWRPEAMGDAVSQYCGMYHDAKRALVASLAGLRSVV
TETTAHLGVCDELAAQVSHEGNVLAVVRREIHGFLAIVSGIHARASKLMSGDQVPGFCYMSQFLARWRRL
SAGYQAARAATGPERVAEFVQELHDTWKGLQTERALVVARFASSADQRTAAIQEVMAHATEDAPPSPAAD
LVVLTNRHDLGAWGDYSLGPLGQPTVVPDSVDLSPQGLAATLSMDWLLINELLQVTDGVFRASAFRPSAG
PGAPGDLEAQDAGGSTPEPTTPGPQDTQARAPSTRPAGRETVPWPNTPVEDDEMTPQETPPVHP

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NC_001798

ORF Size: 3342 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_044507

RefSeq ORF: 3342 bp

Locus ID: 1487323

MW: 118.8 kDa