

Product datasheet for **VC101204**

UL13 (NC_006273) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	UL13 (NC_006273) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	UL13
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 VC101204 represents NCBI reference of YP_081472 with codon optimized for human cell expression
 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCTCTGGGCTCACTGTGGGAGTTCTCCGATACACCTGCTGCCTCTGTTGCTGTGTAGGTTGCCAT
 TCCTTCTGTTCTTCCAGAGGCCCACTGGGCGCACGGTTGGATATCGTGAAGAGGACGAGTGGCTTCG
 CGAGATTCAGGGCGCCACGTATCAGCTCAGCATTGTGCGCAAGCCATGCAGCACGCCGGTTTCAGGTG
 CGAGCAGCCTCTGTTATGACTAGGAGAAACGCTGTGGACCTCGACAGGCCCTCTGTGGTCTGGGTCTC
 TGCCTCATCTTCTGTGTATGACGTGCGGTCTCCGAGACCTTTGCGGCCTCTAGCTCCCAACACCATGC
 TGTCTCTCTGAGCTGCCAGTAGGAATGGATCCGCTGGCAGTACCAAGAATTGCAATACCTGGTAGAG
 GAACAGAGGCGCCGAACCAATCTCGAATGCGATACCCAGACCTTCATCCCGCCTCTGATCCACCCT
 CCCAGCCCGCTGAGGATGCCAGGGACGCTGACGCTGAGCGCGCCGAATCTCTCATAAGCCGAGAGCAC
 AGTGAGCCACGACGCTTACAGACAACGCCGTGAGGCGGAGACACGAGAGGAGGCGATATAACGCTCTGACC
 GTGCGCAGTCGCGACAGTCTGCTGCTCACACGGATTTCGGTTTTCAACCAGCGCTGCTTCGGAAGGGGAA
 GGCTGAGACATCCAGCAGGCTCAGGACCAATACCGGGGGACCACGACCAGGTGGCGCAGGACTGCGGCA
 GCTTCGGCAACAGTTGACGGTCAGATGGCAGCTTTCCGGCTGAGATGTCATGGATGGACTCAGCAGGTG
 TCTTCACAAATCCGCACACGATGGGAGGAAAGCAACGTCGTCCTCAAATGCGACCCGGGTAAAGACGT
 GGTTTGTGCAACGAACACCCTGTGGCGGCGCACATGGTTCTTGGGAGAAATCCTGCCCGCAAGCTCA
 GGAGCTTGCAATCATTCCCCCGCCCTACTGTTCTGCGCCAAATGAGGAGCCGAGACAGCAGCTTACA
 GGTGAGGAGACCCGCAACAGTACTACTCAACGCGAAGAAGTGGAGGACGTATCAAGAGAGGGGGCTC
 GAGAGGGTAATGACGGATCTCGAGCCTCCGGGAATGACGAGAGGCGGAATAACGCCGACGATACGACGA
 TGATCACGAAGTCCAGGAACACAAAGTCACTACCCCGCAGGCCAAGGCGAACTGAACCGACGGAGTCAA
 GAGGAAAACGAGGAAGGTGGCCCTGCGAGTCCCGCCGATGACCACAAATACATTGACCGTGGCTTGTC
 CACCCCGGAGCCCGCATAGAGCTCTGTTAGGTTGTGCCTGGGCCTTGGGTGTCCTCTATCTGGT
 GCGACGGCCTATGACAATC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC101204 representing YP_081472
 Red=Cloning sites Green=Tags

MLWAHCGRFLRYHLLPLLLCRLPFLFFQRQPWAHGLDIVEDEWLREIQGATYQLSIVRQAMQHAGFQV
 RAASVMTRRNAVDLDRPPLWSGSLPHLPVYDVRSRPLRPPSSQHHA VSPPELPSRNGIRWQYQELQYLVE
 EQRRRNQSRNAIPRPSFPPDPSPQPAEDARDADAERAESPHTAESTVSHDASDNAVRRRHERRRYNALT
 VRSRDSLIII TRIRFSNQRCFGRRLRHPAGSGPNTGGPRPGGAGLRQLRQQLTVRWQLFRLRCHGWTQQV
 SSQIRTRWEESNVVSQTATRVRTWVQRTTLWRRTWVPGQNPAAEAQELAIIPPAPTVLRQNEEPQQLT
 GEETRNSTHTQREEVEDVSREGAREGNDGSRASGNDERRNNAGRYDDHEVQEPQVTPAGQGELNRRSQ
 EENEEGGPCESPMTNTLTVACPPREPPHRALFRLCLGLWVSSYLVRPMTI

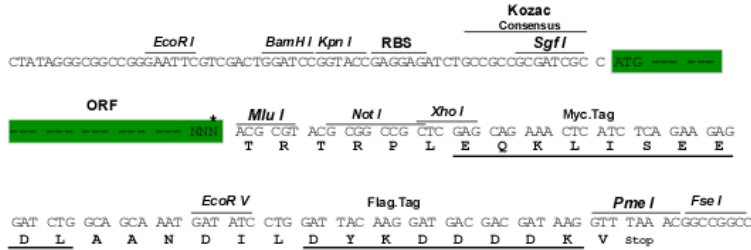
TRTRRLE**QKL**ISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NC_006273

ORF Size: 1419 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_006273.2](#), [YP_081472](#)
RefSeq ORF: 1419 bp

Locus ID: 3077428

MW: 54.4 kDa