

Product datasheet for **VC100803**

UL16 (NC_001806) Virus Tagged ORF Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | UL16 (NC_001806) Virus Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | UL16 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| ORF Nucleotide Sequence: | >The Viral ORF clone VC100803 represents NCBI reference of NP_044617 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s) |

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCACAGCTGGGTCCGCGACGACCTCTGGCTCCCCCTGGCCACCCGGTACACTGCCACGCCCGGATA
GCAGAGCAGGCGCAAGGGGAAGTAGAGATAGAGTCGACGACCTCGGCACGGACGTAGACTCCATAGCTAG
GATTGTGAAGTCACTGTTTCGATATGGAGGGTCGTGAGGGCGGACGAGCGGTGAAGATCTTCAGATGCCTC
ACTGTTCTCACAGAGCCCCTCTGTCAGGTCGCGCTCCCGAACCTGATCCAGGTCGCGCCCTCTTCTGTG
AAATTTTTCTCTATCTGACACGACCCAAGGCGCTGCGCCTCCCTCCAAATACATTTTTTGCCTTGTCTT
TTTTAACCGCGAGCGCCGATACTGCGCCATCGTCCACCTGAGATCCGTTACACACCCACTGACCCCTTG
CTTTGACTCTGACCTTCGCCGCATCCGGGCTGCAACCCTCCTGAGGAGACCCCGACCAACTACAG
AACAACTTGCTGAAGAGCCAGTCGTGGCGAGCTGGATGGAGCCTATCTGGTGCCCGAAAGACTCCACC
CGAGCCCGGGCCTGTTGTGCTCTCGGACCCGGCGCCTGGTGGCACCTGCCTAGTGGCCAGATCTATTGT
TGGCCATGGATCCGACCTGGGATCTTGTGTCCCCCGGGAGTCGCGCAAGACATTTGGGCTGGCTGC
TGGCCAGAATAACTAATCACCCCGGAGGATGTGAATCTTGTGCACCCCGCCACACATTGACTCCGCTAA
CGCTCTCTGGTTGAGCTCTGTGGTTACTGAGAGCTGTCCTTGTGTGCTCCATGTCTTTGGCCAAGATG
GCCAATGTACCCCTTGTGTCCAGGGTGTGCTTCACTGTGTCCGTTGTTGTTCCGCCATCCGGTGGACA
CTGTGACTCTTCTGCAGGCTCCTCGGCGCCCTGCATTACCGATCGCCTCCAAGAGGTGGTGGGGGCGAG
ATGTGGAGCCGATAACATCCCCCTACGTGAGCGGGATGGAGGCTGTGCGTTTTTTTCTCATATATCAGT
CGCCTCTTCGCAACTAGCTGCCCTACTGTGGCACGGGCGGTTGCTAGGGCCTCTAGCAGCGACCCGGAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >VC100803 representing NP_044617
 Red=Cloning sites Green=Tags

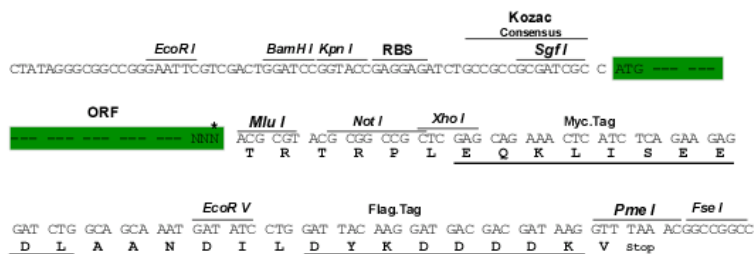
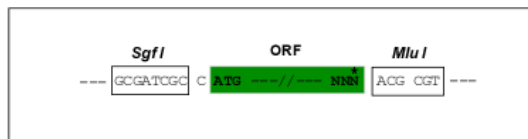
MAQLGPRRPLAPPGPPGTLPRPDSRAGARGTRDRVDDLGTVDVDSIARIVNSVFVWRVVRADERLKI FRCL
 TVL TEPLCQVALPNPDPGRALFCEIFLYLTRPKALRLPPNTFFALFFFNRRERYCAIVHLRSVTHPLTPL
 LCTLTFARIRAA TPPEETPDPTTEQLAEEPVVGELDGAYLVPKTPPEPGACCALGPGAWHLP SQIYC
 WAMDSDLGSLCPPGSRARHLGWLLARITNHPGGCESCAPPHIDSANALWSSVVTESCPCVAPCLWAKM
 AQCTLAVQGDASLCPLLFGHPVDVTLLQAPRRPCITDRLQEYVGGRCGADNIPPTSAGWRLCVFSSYIS
 RLFATSCTVARAVARASSSDPE

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NC_001806

ORF Size: 1119 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_001806.1](#), [NP_044617](#)

RefSeq ORF: 1119 bp

Locus ID: 2703386

UniProt ID: [P04413](#)

MW: 40.4 kDa