

## Product datasheet for **VC100886**

### UL22 (NC\_001798) Virus Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	UL22 (NC_001798) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	UL22
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 VC100886 represents NCBI reference of NP\_044491 with codon optimized for human cell expression

Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGCATCGCC**

ATGGGACCTGGTCTCTGGGTGGTATGGGGTGTGGTGGGAGTGGCAGGAGGGCACGATACTTACTGGA  
CTGAACAGATTGACCCATGGTTTCTCCACGGCCTCGGATTGGCTCGCACATACTGGCGGATACCAACAC  
CGGACGCCTCTGGCTGCCAATACACCTGATGCGTCTGACCCCTCAGCGGGGGCGACTTGCTCCACCCGGC  
GAGCTGAATCTGACGACTGCTTCAGTCCCATGCTTAGGTGGTATGCTGAAAGTTCTGTTTCGTCTCG  
TCACCACAGCCGAATTTCTCGAGATCCAGGCCAGCTTTTGTATATCCCTAAAACATATCTGCTGGGTAG  
ACCACGCAATGCGAGCCTCCGGAGCTCCGGAGGCCGGCCCACTAGCCGACCACCAGCCGAGGTTACA  
CAGCTCAAGGGCCTGTCCACAACCCAGGGCCTCTGCTCTCCTGAGGTCAAGAGCATGGGTTACATTCCG  
CAGCCGCACCCGGATCGGGAGGGCTTACTTTTCTCGGGGACGATGGGGCTACTGAGCGGCACCCAGA  
CGGACGGAGGAATGCACCCCGGGTCTCCGCTGGAACCCCTAGACATCCTACGACTAATCTCAGC  
ATCGCGCATCTCCACAATGCATCTGTACATGGCTCGCCGCCAGAGGTCTTCTGAGAACCCAGGGAGAT  
ACGTTTATCTTTCCCGAGTGTCAACATGGCCCGTTGGAGTGTGGACGACTGGAGGCCTGGCCTTTGG  
TTGTGATGCTGCACTGGTGCGGCCAGGTATGGAAGGGCTTTATGGGCTGGTATCAGCATGAGAGAT  
AGCCCTCCCGTGAAATCATCGTAGTCCCGCAGACAAAACCTCGCCAGAGTCGGTAACCCAACAGATG  
AGAACGCCCGCCGTGCTGCCAGGCCCGCAGCTGGGCCCGGTACAGGGTGTGTGTGGGTGCCCC  
TACCCCGCTGATAATGGTAGCGCTCTCGATGCACTCCGACGGGTGGCAGGGTACCCCGAAGAATCCACC  
AATTACGCCCACTACATGTCAAGGGCTTACGCCGAGTTCCTCGGAGAGGACCCTGGGTGAGAACGGGAC  
CCCGCCCTAGTCTGTTTTGGCGGTTGGCTGGGCTGCTCGCTAGCTCCGGCTTCGGGTTTGTGAATGCAGC  
GCACGCACACGATGCCATACGCCTTTCTGATCTGTTGGGATTCCTGGCTCACAGCCGCTCCTGGCCGGA  
CTTGCTGCCCGAGGCGCTGCTGGGTGCGCTGCTGACTCCGATTCTCAACGTCAGCGTTCTGGACCCAG  
CCGCAAGGCTCCGGCTTGAAGCACGACTGGGACACCTCGTCGCCGAATCCTCGAGCGGGAGCAGAGCCT  
CGTCGCTCATGCACTCGGTTACCAGCTTGCCTTGTGCTGGATAGCCCTGCCGCATACGGCGCTGTAGCG  
CCATCCGACCCAGACTTATCGACGCCCTGTACGCCGAATTTCTGGGTGGCCGCGCCCTGACTGCTCCCA  
TGGTGCGCCGCGCACTCTTTACGCGACCCGAGTCTGAGAGCACCTTTCTGGTGGAGCACCCAGCGC  
TGAACAGAGAGAGAGGGCCAGGCGAGGACTGCTGATCACCCTGCTCTGTACTTCTGATGTTGCAGCC  
GCCACCATGCTGATTTGAGAGCGGCACCTGCGAGGACCAGCACCAAGAACCTGTTCTGGCTTCCGG  
ACCACTTCTCACCTTGCGCAGCCTCCCTTCGCTTCGATTTGGCCGAGGGTGGCTTATTCTGGATGCCCT  
GGCTATGGCGACCAGGTCGACATACCAGCCGACGTGATGGCACAGCAGACAAGGGGGTAGCTTCAGTG  
TTGACAAGGTGGGCGCATTACAACGCTCTGATCCGCGCATTCTGACCCGAGGCTACCCATCAGTGTTCGG  
GCCCTAGTCACAATGCCGAGCCAGGATTCTCGTGCTATTACGCATAATGCCTCTTATGTGGTGACACA  
CACACCACTGCCCGGGGCATCGGTTACAACTGACTGGAGTCGACGTGAGAAGACCACTTTTATTACACA  
TACCTTACAGCCACCTGCGAGGGGCACGCGCGCAAATAGAACCCAAGAGGTTGGTGAGAACCAGAAACC  
GACGGGACCTGGGACTGGTGGGGCCGTCTTTCTTAGGTACACCCCGCCGAGAGGTGATGAGCGTGTCT  
CTTGGTTGACACTGACGCAACACAGCAGCAGCTGGCACAGGAGGACAGTGGCGGGAACACCTAATGTGTTT  
AGCTCCGACGTCCCGTCCGTGGCCCTGCTTTTGTCCCTAACGGAACAGTAATCCACTTGTCTCGATTCCG  
ATACACTGCCTATAGCCACGATCGCCCCGGGTTTCTGGCCGCTCAGCACTCGGGGTAGTGATGATCAC  
CGGGCTCTCGCAGGCATTCTCCGCTAGTGAGGACATGTGTCCCTTTCTGTGGCGCCGAGAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >VC100886 representing NP\_044491  
Red=Cloning sites Green=Tags

MGPGLWVVMGVLVGVAGGHDTYWTEQIDPWFLHGLGLARTYWRDNTGRLWLPNTPDASDPQRGLAPPG  
ELNLTTASVPMRLRWAERFCFVLVTTAEFPRDPGQLLYIPKTYLLGRPRNASLPELPEAGPTSRPPAEVT  
QLKGLSHNPGASALLRSRAWVTFAAAPDREGLTFPRGDDGATERHPDGRRNAPPPGPPAGTPRHPTNLS  
IAHLHNASVTWLAARGLLRTPGRYVYLSPSASTWPVGVWTTGGLAFGCDAALVRARYGKGFVGLVISMED  
SPPAEIIVVPADKTLARVGNPTDENAPVLPAPPAGPRYRVFVLGAPTPADNGSALDALRRVAGYPEEST  
NYAQYMSRAYAEFLGEDPGSGTDARPSLFWRLAGLLASSGFAFVNAAHAHDAIRLSDLLGFLAHSRVLG  
LAARGAAGCAADSVFLNVSVDPAARLRLEEARLGHVAAILEREQSLVAHALGYQLAFVLDSPAAYGAVA  
PSAARLIDALYAEFLGGRALTAPMVRRALFYATAVLRAPFLAGAPSAEQRRERARRGLLITTALCTSDVAA  
ATHADLRAALARTDHQKNLFWLPDHFSPCAASLRFDLAEGGFILDALAMATRSDIPADVMAQQTRGVASV  
LTRWAHYNALIRAFVPEATHQCSGSPSHNAEPRIILVPITHNASYVVHTHTPLPRGIGYKLTGVDVRRPLFIT  
YL TATCEGHAREIEPKRLVRTENRRDLGLVGAVFLRYTPAGEVMSVLLVDTDATQQQLAQGPVAGTPNVF  
SSDVPSVALLLFPNGTVIHLLAFDFTLPIATIAPGFLAASALGVVMITAALAGILRVVRTCVFFLWRRE

TRTRRLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NC\_001798

ORF Size: 2514 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\\_044491](#)

**RefSeq ORF:** 2514 bp

**Locus ID:** 1487306

**MW:** 89.7 kDa