

Product datasheet for **VC100809**

UL22 (NC_001806) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	UL22 (NC_001806) 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 VC100809 represents NCBI reference of NP_044623 with codon optimized for human cell expression

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

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGGCAACGGACTGTGGTTCGTCGGCGTTATCATTCTGGGCGTCGCTGGGGACAGTCCACGATTGGA
CGGAGCAGACTGATCCTTGGTTCCTCGACGGACTCGGCATGGATAGGATGTACTGGCGGGACACAAACAC
TGGCCGCCTGTGGCTCCCAAATACGCCGATCCTCAGAAGCCCCACGGGGATTCTGGCCCCACCAGAC
GAACTGAATCTCACTACCGCCAGCCTCCACTGCTGCGATGGTACGAGGAGAGGTTCTGCTTTGTGCTCG
TGACAACAGCTGAGTTTCTCGAGATCCCGCCAGCTGCTTTACATCCCAAAGACGTACCTGCTGGGCAG
GCCCCAAACGCAAGCCTGCCAGCACCCACTACCGTGAACCAACCGCACAGCCCCCTCTTCCGTAGCG
CCTCTGAAGGGACTGTTGCATAACCCAGCTGCCTCCGCTCTGCTCGGGTCCCGCGCTGGGTTACCTTTA
GTGCCGTTCCAGATCCTGAGGCTTTACATTTCTCGGGGGATAACGTGGCCACGGCATCACACCTTC
TGGCCCCCGAGACTCCTCCACCTCGGCTCCAGTAGGGGCTCGGAGACATCCGACTACAGAACTCGAC
ATCACTCATCTGCACAACGCAAGCACAACATGGCTGGCGACTAGAGGCCTCCTTCGACGTCCTGGCAGAT
ACGTGTAATCTCCCCCTCCGCTAGCACATGGCCTGTAGGAATTTGGACCACCGCGAATTGGTTCTTGG
ATGTGATGCTGCTTGTGAGAGCTCGGTACGGACGGGAATTCATGGGTCTGGTATTAGTATGCACGAT
AGCCCTCCTGTGGAGGTCATGGTAGTACCAGCTGGACAGACCCTGGATAGAGTGGGAGATCCAGCAGACG
AGAACCCTCCCGGGCATTGCCAGGACCTCCCGGTGGACCCCGCTACAGGGTGTGTGTGCTGGGCAGTTT
GACCAGAGCAGACAACGGTAGTGCTCTGGATGCACTGAGGAGGGTGGGTGGTACCCTGAGGAGGGGACT
AATTACGCCAGTTTCTTTCAAGGGCTACGCGGAATTTCTTCCGGGGATGCGGGAGCAGAACAGGGAC
CAAGGCCTCCCTGTTTTGGCGGCTCACAGGCCTCCTTGCCACATCCGGATTCCGCTTTGTTAATGCCGC
TACGCCAATGGCGCAGTGTGTCTCAGTGTCTGCTCGGATTTTTGGCCACAGCAGGGCACTGGCTGGC
TTGGTGCCTCGGGTGTGCGGGCTGCGCCGCGACAGTGTCTTTTTCAATGTCTCAGTGTGGACCCCA
CTGCTAGGCTGCAGTTGGAGGCTAGGCTGCAGCATCTGGTAGCAGAAATCCTTGAGCGGGAGCAGTCTCT
CGCCCTGCACGCCCTGGGATATCAACTCGCTTTCGTTCTGGATAGTCCCTCTGCTACGATGCCGTTGCC
CCTTCTGCGGCACACCTGATCGACGCTCTGTACGCTGAATTTCTCGGAGGTGGGTGCTCACCACCCCTG
TTGTCCATAGAGCACTGTTTTATGCCTCCGCCGTGCTGCGCCAGCCCTTCTGGCCGGCGTTCCCTCCG
CGTGCAGCGGGAACGAGCCAGACGACGCTGCTGATAGCCAGTGTCTTGTGCACATCTGACGTGGCCGCG
GCTACAAATGCGGATCTGAGGACGGCGCTGGCCAGGGCAGACCATCAAAAAACACTTTTCTGGCTCCCTG
ACCACTTCAGTCCGTGTGCAGCATCTCTTAGGTTTGATCTGGACGAATCCGTCTTTATCCTGGATGCCTT
GGCTCAGGCAACCCGCTCCGAACTCCAGTGGAAGTGTCTGCTCAGCAAACACACGGGCTGGCAAGTACA
CTTACAAGGTGGGCTCACTACAACGCTCTGATTAGAGCATTCTGTTCCAGAGGCTAGCCACCGCTGCGGCG
GCCAAAGCGCAAATGTGGAACCCAGGATTTCTGTACCCATCACACACAATGCCTCATACGTGGTGACCCA
CAGCCCATTGCCTCGCGCATCGGTTATAAACTGACCGCGTTGATGTCCGGAGACCACTTCTCCTCACC
TATCTGACTGCAACATGTGAAGGATCAACAAGAGATATTGAATCCAAGAGGCTGGTGCGAACACAGAACC
AACGGGACCTGGGCTGGTGGTGGCTTTTATGAGATATACCCCGCAGGGGAGGTTATGAGTGTGCT
GCTGGTGGATACGATAATACCCAGCAGCAGATTGCTGCTGGACCGACTGAGGGCGCTCCAGCGCTTTT
AGCAGCGATGTGCCAAGTACAGCTCTGCTGCTTTTCCGAATGGAAGTGTATCCATCTGCTGGCCTTCG
ATACCCAGCCGTTGCTGCAATAGCACCAGGTTTCTGGCAGCATCAGCCCTGGGCGTAGTTATGATTAC
CGCGGCTCTGGCAGGCATCTGAAAGTGTGCGCACCAGTGTGCCCTTCTTTGGAGCGGGAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >VC100809 representing NP_044623
 Red=Cloning sites Green=Tags

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MGNGLWFGVGIILGVAWGQVHDWTEQTDPWFLDGLGMDRMYWRDTNTGRLWLPNTPDPQKPPRGFLAPPD
ELNLTTASLPLLRWYEERFCFVLVTTAEFPRDPGQLLYIPKTYLLGRPPNASLPAPTTVEPTAQPPPSVA
PLKGLLHNPAASVLLRSRAWVTFSAVPDPEALTFPRGDNVATASHPSGPRDTPPPRPPVGARRHPTTELD
ITHLHNASTTWLATRGLLRSPGRYVYFSPSASTWPVGIWTTGELVLGCDAALVRARYGREFMGLVISMHD
SPPVEVMVVPAGQTLDRVGDPADEPPGALPGPPGGPRYRVFVLGSLTRADNGSALDALRRVGGYPPEEGT
NYAQFLSRAYAEFFSGDAGAEQGP RPPLFWRLTGLLATSGFAFVNAAHANGAVCLSDLLGFLAHSRALAG
LAARGAAGCAADSVFFNVSVDPTARLQLEARLQHLVAEILEREQSLALHALGYQLAFVLDSPSAYDAVA
PSAAHLIDALYAEFLGGRVLTTPVVHRALFYASAVLRQPFLAGVPSAVQRERARRSLIASALCTSDVAA
ATNADLRTALARADHQKTLFWLPDHFSPCAASLRFDLDESVEFILDALAQATRSETPVEVLAQQTHGLAST
LTRWAHYNALIRAFVPEASHRCGGQSANVEPRILVPITHNASYVVTHSPLPRGIGYKLTGVDVRRPLFLT
YL TATCEGSTRDIESKR LVRTQNQRDLGLVGAVFMRYTPAGEVMSVLLVDTDNTQQQIAAGPTEGAPSVF
SSDVPSTALLLFPNGTVIHLLAFDTPVAAIAPGFLAASALGVVMITAALAGILKVLRTSVPPFFWRRE
  
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TRTRRLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NC_001806

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_001806.1](#), [NP_044623](#)

RefSeq ORF: 2514 bp

Locus ID: 2703373

UniProt ID: [P04413](#)

MW: 90.4 kDa