

Product datasheet for **VC101219**

UL29 (NC_006273) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	UL29 (NC_006273) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	UL29
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 VC101219 represents NCBI reference of YP_081487 with codon optimized for human cell expression

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

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGTCCGGCAGAAGAAAAGGATGTAGTGTGCAACCGCATCTTCATCCTCCTCAAGTCCACCATCTCGGC
TTCTCTGCCAGGGCACGCCCGGCGACCCAGACGGAAGAGATGCTTGGTCCCGAGGTCTTCTGTACCCG
CGACCTTGCCGATCTGTGTGTGCGCCGGGACTATGAAGGTCTGAGGAGATACCTTAGACGGTTTGAGGGC
AGCTGCGTAAGCCTGGGCTGGCCCTCCCAGTGCATCTACGTTGTGGGCGGCAACATAGTCCGCACAGCC
TGACCGAAATCGACCTGGAGCACTGTCAGAACGATTTCTTTGGTGTGAGTTCAGAGCGCTGCATCTGATCGG
CACAGTCTCCCATGCAACATGCAGGTACCAAGTGTGGTGTGGATGCTTACGGCGCCGTGTTGCATACGAT
GCTCAGGAGGATTGCCTCTACGAGCTGGCCTCCGATCTTGCAGGCTTTTTCGCAAAGGGAATGATCCGGT
GGGATCCCGTCCATGAGTCAATTTGCGCCAGGCTCCAGCCCAACGTGCCCTGGTGCACCCTGATCACC
AGCGGAGTTGTGCCGACGAAGTAGGGCCTCCGCACGCGGACGCTACCTGAGAAGCCTGCTCGCTTTCCGA
GAGTTGCTGGCCTGCGAAGACACAGCCGCCGATGTGCCTATGTGGAAGCACATAGAGAAGCCAGCTCA
CTCTCATTTGGCCTGAAAAACACAGCCTCGTGCTGAGGACTGCCAGGGACCTGGGCTCTCAGCATCAAT
GCTCCGCAGATTTACGCGGTCACTGTATACTAGAGAGCCAGTCATGCCCTCGGGGAGATTGAGGGCGCG
GAAGATAAGACGTTCTTTACAGGGTCCGCATCTGTGCGGCGATACTGGAACCGTTTACGCTGCTCTCG
TCGGACAGGACAACTCGTCAGATTGTCCAGGGATCTCCGCGGCTTCGTGAGAGTAGGTCTCGCTCTGCT
GATCGACGATTTTAGGTACGAATCTATTGGCCAGTTGACAGGTCTTATTGTATGAGGCAAAATCCCGC
CTCAGGCTGCCCTCAAGAAGAGGCGCCTGGTGGTGGGCTACTTTGACTCCCTTAGCTCACTGTACCTCC
GGGGACAACCCAAATTCATCCATATGGCGAGGATTGAGGGACGCATGGACTCACAAACGACCAAGCC
CCGCGAAAAGAGCTAGTGGGGTGCATCTCCAGAGGTATGTCAGAGCTACTGCCGAAGATGGCTTCCCTG
TGTTGGCCCCCTGCACGGCATCATGCTGGGAGACACGCAATATTTCCGGGTAGTGCAGGACCAAAAA
CATACCGACGCTTCTCATGCCTGCGCCAGGCGGGCAGACTGTACTTTATCGGGCTTGTACAGGTTTATGA
ATGTGTTCCCGATGCTAACACCGCTCCTGAAATCTGGGTTTCTGGCCACGGTCACGCCTTGCATACCTG
CCCAGGCAAGATAAGGTGTACGTTTTGGGGCTTCTTTGGAGAGTTTTTCGAAAATGGGCTGTTTGCCG
TGTAATCCTTCTCGAGCGGATTACGTGGATGAAATCGTTGAGGGCGCATGGTTAAGCACACTTTTGC
AGGTATGTACGAACTCAGTCAAATACTTATGATCGGGCAACCTTCTCCGAGTATGTCAGTTGCACGCC
GGCAGCAAGATACGGCTGGGAGGTAGCCAGCCTGCACCTTACCTTCCGGTTCATGGAATGTGGCCGAGG
CAGATGAGGCGAATAACTTTGTCATCGGAGTGCTGGAACAGGCTCACTTCGTCTGTTATCGGATGGATGGA
ACCCGTGAATAAGGCAGTGTTCATGGATGCCCATGGTGGCATCCACGTGCTGTACGGAACAATGCTG
GTGAAACTTGCCGAAACCTGAGGGGCTTATTCCGGCAGGGAAGCTTTGGTTTCGGTGCAGGCGGCGG
TCTGCTTCTCCCACTCGATTCTAGTGCCACAGTTGCAGCTAAACCCGTTAGTAGTCACACATCACCCGC
CTACGATGTCTCTGAGTACGTGTTTTCTGGGCGGAGTGTACTGGACTCCGTGTCTGGAACCGGGCTAGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >VC101219 representing YP_081487
 Red=Cloning sites Green=Tags

MSGRRKGCSAATASSSSSSPPSRLPLPGHARRPRRKRCLVPEVFCTRDLADLCVRRDYEGLRRYLRRFEG
 SCVSLGWPSQCIYVVGGEHSPHSLTEIDLEHCQNDFGGEFRALHLIGTVSHATCRYQVFDAYGAVFAYD
 AQEDCLYELASDLAGFFAKGMIRCDPVHESICARLQPNVPLVHPDHRAELCRRSRASARGRYLRSLLAFR
 ELLACEDTAARCAYYEAHREAQLTLIWPEKHSLVLRTARDLGLSASMLRRFQRSLYTREPVMPLGEIEGA
 EDKTFHHRVRIILCGDGTGYAALVGQDKLVRLSRDLRGFVRVGLALLIDDFRYESIGPVDRSSLYEANPE
 LRLPFKKRRLVVGDFSLSSLYLRGQPKFSSIWRGLRDAWTHKRPKPRERASGVHLQRYVRATAGRWLPL
 CWPPLHGIMLGDTQYFGVVRDHKTYRRFSCLRQAGRLYFVIGLVSVEYCPDANTAPEIWSGHGHAFAYL
 PGEDKVVYVGLSFGFEFFENGLFAVYSFFERDYDEIVEGAWFKHTFAGMYELSQLHDRANLLRVCQLHA
 GSKIRLGGSPACTFTFGSWNVAEAEANNFVIGVLEQAHFVIGWMEPVNKAVFMDAHGGIHLVLLYGTML
 VKLAETLRGFIHQGSFWFRCPRRFCFSPLDSSATVAAKPVSSHTSPAYDVSEYVFSGRSVLDSVSGTGAS

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NC_006273

ORF Size: 2100 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_081487](#)

RefSeq ORF: 2100 bp

Locus ID: 3077519

MW: 79.0 kDa