

Product datasheet for **VC100816**

UL28 (NC_001806) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	UL28 (NC_001806) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	UL28
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 VC100816 represents NCBI reference of NP_044630 with codon optimized for human cell expression

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

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCGCTCCCGTGTCTCAGAACCACCGTCGCTCGACAGAAATTGCTGGCCCTTCTGGGGCAGGTTCAAA
CCTATGTCTTCCAGATCGAGCTGCTCCGGCGATGTGACCCGCATATTGGAAGAGGGAAACTGCCCCAGCT
CAAACCAACGCTCTGCAGGTGCGAGCGCTGCGCAGACGCTGCGCCCGGCTTGGAAAGCTCAGGCCGGC
GCATTTCTCACCCACTGAGCGTGACCCTGGAGCTGCTCCTGGAGTATGCTTGGAGAGAAGGAGAAAGAC
TGTTGGGCTCACTGGAGACGTTCCGCTACTGCAGGAGATGTGCCAGCCTTTTTCACTGAAACCATGGGACT
CGCCAGACCGTGCCCGTACCATCAGAGAGTGGACTGGATACATACGGCGGGACAGTTTCATATGGAGCTG
TGCTTTTTGCATGATGTGGAGAATTTCTCAAGCAGCTCAATTACTGCCACCTCATCTCCAGTCCGAG
GGCTACAGCTGCTCTGAAAGAGTGGCGGAGTTCATGGTGGGCGCCGTTGGCAGTGGCCTGATTGTGCC
CCCCGAGCTTCCGATCCCTCCCATCCCTGCGCAGTGTGCTTTGAGGAACTCTGCGTTACCGCAATCAG
GGGGTACCATCGCCAGGAGGCTTGGCGATAGGATCTGCAATCACGTGACCCAGCAGGCGCAGGTGCGCC
TTGATGCTAACGAACTGAGACGATATCTCCCTCATGCCGCTGGCCTGTCAGACGCCGATAGAGCCAGAGC
CCTGAGCGTCTGGACCATGCTCTGGCGAGAAGTCCCGGCGGTGACGGCCAGCCACCCCATCTCCGGAA
AACGACAGCGTGAGAAAGGAGGCTGATGCATTGCTTGAGGCCACGATGTTTTCCAGGCGACTACTCCTG
GTCTTTACGCAATTTCAGAACTTAGATTTGGCTGGCCTCTGGTGATAGAGCAGGGCAGACAACCATGGA
CGCCTTTGCTTCAATCTGACAGCCCTCGCCCGGAGAGCTGCAGCAGGAGACAGCAGCCGTGGCTGTC
GAGCTGGCCTTGTTCGGCCGGAGGGCTGAGCATTTCCAGCCGGCCTTTGGCTCCCACTTGGCCGCATTGG
ACATGGTGGATGCACTCATAATTGGAGGCCAGGCCACCAGCCCGACGACCAAATTTGAAGCCTGATCCG
CGCATGCTACGACCATCACCTTACGACGCCCTTCTTAGGAGTTGGTTTTACCAGAGCAGTGGCATGAG
GAGGCGCTGAGGAGGTCCTTGCTAGAATGGGAGCGGGCGGGCCGCGACGCCAAAAGGCGGGGCGAG
GACCGGACGATGACGGTGACAGAGTTGCCGTCGAAGAAGGCGCTAGGGGACTTGGAGCCCTGGAGGAGG
TGGAGAGGACGAGGACAGAAGGAGAGGACTGGCGGGCAAGGCCCTGAGACTTGGGGCGACATAGCAACA
CAGGCCGAGCTGATGTTCCGGAACGGAGGCGGCTCTATGCCACCGCTGACTAAACGCTCTCTCGCCT
CTCTCGGCAGATGTGTTCCGGAGCAGCGCGGAGAACTGGAAAAATGCTTAGGGTCAGCGTACACGGGGA
AGTGTGCCAGCCAGTTTGCCCGGTAGCAAATGGGTTTGCAGCTCGCGCGCTTCTGCGCCCTGACA
GCCGGAGCCGGCACAGTATCGACAACCGGTCTGCCCCAGGCGTTCGACGCTCATCGTTTCATGCGCG
CATCCCTCCTCCGGCATCAGTTGACCCTGCCCTGCTCCCATCTATCACACAGTTTTTTGAATTGGT
GAATGGCCCTCTGTTTCGACCACAGCAGCACTCCTTCGCCAGCCACCTAACACTGCTTTGTATTACTCA
GTGAAAAATGTAGGACTGTTGCCCCACCTCAAAGAGGAGCTGGCGGATTATTATGGGCGCAGGGGGAT
CAGGGGCCGATTGGCCGTGTCAGAGTTTCAAAGATTTTACTGTTTCGATGGAATTAGTGGGATCACTCC
TACCCAGCGAGCCGCTGGAGATACATTCGCGAACTGATTATCGCAACCACTCTCTTCGCTTCTGTGTAC
CGCTGGGGGAGCTGGAGCTGAGGAGGCTGATTGTTCAAGGCCACTAGCGAGGGTCGATATCGGTATC
CACCCGAGTCTATCTTACTTATGATTCTGATTGTCCTTTGGTTGCTATCGTCAAAGCGCACCTGATGG
ATGCAATTGGCCACGGTCCGTCGTGGTGTATGACCGAGATGCTTCTCTATATTGTATAGTGTGCTCCAA
CACCTGGCCCCACGCTGCCAGACGGAGGCCATGATGGACCACCT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >VC100816 representing NP_044630
 Red=Cloning sites Green=Tags

MAAPVSEPTVARQKLLALLGQVQTYVFQIELLRRCDPHIGRGKLPQLKLNALQVRALRRRLRPGLEAQAG
 AFLTPLSVTLELLLEAYWREGERLLGSLETFATAGDVAAFFTEMGLARPCPYHQVRVRLDTYGGTVHME
 CFLHDVENFLKQLNYCHLITPSRGATAALERVREFMVGAVGSGLIVPELSDPSHPCAVCFEELCVTANQ
 GATIARRLADRICNHVTQQAQVRLDANELRRYLPHAAGLSDADRARALSVLDHALARTAGGDGQPHPSPE
 NDSVRKEADALLEAHDVFQATTPGLYAISELRFWLASGDRAGQTTMDAFASNLTLARRELQQETA AVAV
 ELALFGRRAEHFDRAFGSHLAALDMVDALIIGGQATSPDDQIEALIRACYDHHLTPLLRLRVSPEQCDE
 EALRRVLARMGAGGAADAPKGGAGPDDDGDRVAVEEGARGLGAPGGGGEDEDRRRGPGGQGPETWGDIA
 TAAADVRERRRLYADRLTKRSLASLGRVREQRGELEKMLRVSVHGEVLPATFAAVANGFAARARFCALT
 AGAGTVIDNRSAPGVFDAHRFMRASLLRHQVDPALLPSITHRFFELVNGPLFDHSTHSFAQPNTALYY
 VENVGLLPHLKEELARFIMGAGGSGADWAVSEFQRFYCFDGIIGITPTQRAAWRYIRELIIATTLFASVY
 RCGELELRPDCSRPTSEGRYRYPGGVYLYTSDCPLVAIVESAPDGCIGPRSVVYDRDVFVLSILYSVLQ
 HLAPRLPDGGHDGPP

TRTRRLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NC_001806

ORF Size: 2355 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_044630](#)

RefSeq ORF: 2355 bp

Locus ID: 2703457

UniProt ID: [P04413](#)

MW: 85.6 kDa