

Product datasheet for **VC100820**

UL32 (NC_001806) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	UL32 (NC_001806) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	UL32
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 VC100820 represents NCBI reference of NP_044634 with codon optimized for human cell expression
 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCAACTAGCCCGCCCGGAGTCTGGCAAGCGTTGCCGTGTGCGAGGAGTACCTGGCAGCTCTTGGA
 AAGCTGGGGCCTTTGAGCGAGCCTACGTAGCGTTCGATCCGTCAGTCTGCTCGCTCTGAATGAAGCCCTGTG
 TGCCGAGCTGCTGACCGGAGTCACTGTTATCGGAGTCCCTCCAGTGGGCACCCCTTGATGAGGACGTGGCC
 GCTGACGTTGTTACGGCTCCCTCTCGGGCTAGAGGTGGTGTGAGAGACGGGGGCGGCTCAGGTGGCCGCG
 GTGGGCCAAGAAACCCTCCTCCTGACCCTTGGCGTGGGGTCTCCTGGATACAGGTCCTTTTAGTCCCGC
 CGCCATAGACACTTTCGCCCTGGATAGGCCCTGCCTTGTGTGCCGACCATTGAACTCTATAAGCAGACC
 TACAGACTGTACCCCAAGTGGGTGGCCGATTACGCATTTCTCTGCGCAAGTGTCTGGGCGCACCTCATT
 GCGCAGCATCCATATTCGTGGCGCCTTTGAATTTGTGTACGTGATGGATAGGCATTCCTGAGAACC
 GAAAGCCACCCTGGTTGGTAGCTTTGCCAGTTTGCCTGACCATTAATGATATCCACAGACACTTCTTC
 TTGCACTGCTGCTTCCGAACTGATGGCGGTGTACCCGGGAGGCATGCCGAGAAACAGCCTAAGCCGTCCC
 CATCTCCTGGCGCAGCCAAAGTGAATATAGTAATTACTCTTTTTTGGCCAGAGTGCCACTCGGGCCTT
 GATAGGAACCCTGGCGTCCGGCGGTGAGGAGGGCGCGGGTTCAGCTGCAGGATCTGGGACGCAACCGTCA
 CTTACCACAGCACTGATGAATGGAAAGACTGCGCACGGCTGCTGACTGCACAGAGGGGCGCAGGGGCG
 GCGGCGATAGCTGTTGTACTCGCGCCGCTGCCGCAATGGTGAATTTGAACTGTTGCCGGTACCCGGGA
 GCCAGAGGAGTCTCCCGATACCTGGGCTACGCTGACCTGGTGTGCTGCTGCTGGCTGGAACCCAGCA
 GTGTGGGAGAGTGGCCACAACCTCAGAGTCTGTCAGAAGCGCGAAGGGCAACCGTCAGGCAGAGTTGGG
 AAGCTCACAGGGGCGCCAGAACCCTGGGATGTGGCTCCACGCTCCGACAGTTACCCGAACCTGACGCTCA
 GCCAGATCTTGATCTGGGACCACTGATGGCAACTGTGCTCAAACACGGAAGAGGAAGAGGAAGAAGTGGC
 GGCAATGCCTGCTGTGCAACCTCCTGTTGGTGTGAGAGCCTATTGGCTCGCCCTTCGCCGCTCCGGGCT
 CTGTGGTCCGCTATAGTGAACAACACTAGTCTCTTTGATTGCATTGTGCTGTTGTGGATCAGCTGGA
 GGCTGATCCAGAGACACAGCCTGGGGTGGGGTAGGTTTGTAGCTTGTCCGCGCGGCTGGTCCAGAA
 GCCATTTCAAGCATATGTTCTGTGATCCCATGTGCGGATCACAGAAATGGAGTTGACCCATGGGTAC
 TCTTTGGCCATCCCCTGCTACCCATCCAGATGAGCTGCTCCTGCATAAGCCAAGCTTGTGTGGCAA
 TGAGTTCAAGGCAGAGTGTGTATGCCTTGGCGGCTCTCATCTACACATTTAAGACATACCAGGCTTT
 GTTCCTAAACCTACTGCCTTGGCGACCTTTGTTGAGAGGCCGGCGCCCTGCTGAGGCGACACTCTATAT
 CCCTGCTGAGCCTGGAACACACACTGTGTACCTATGTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC100820 representing NP_044634
 Red=Cloning sites Green=Tags

MATSPPGVLASVAVCEEVSPGSSWKAGAFERAYVAFDPSLLALNEALCAELLTASHVIGVPPVGTLDLDEDVA
 ADVVTAPSRARGGAGDGGGSGRGGPRNPPDPCGEGLLDTGPFSAIIDTFALDRPCLVCRITIELYKQT
 YRLSPQWVADYAFLLCAKCLGAPHCASIFVAAFEFVYVMDRHLRRTKATLVGSFARFALINDIHRHFF
 LHCCFRDGGVPRHAQKQPKPSPSPGAAKVQYSNYSFLAQSATRALIGTLASGGEEGAGSAAGSGTQPS
 LTTALMNWKCARLLDCTEGRGGGDSCTRAAARNGEFETVAGDREPEESPDTWAYADLVLLLLAGTPA
 VWESGPQLRAAAEARRATVRQSWEAHRGARTRDVAPRFAQFTEPDAQPDLDLGPLMATVLKHGRGRGTG
 GECLLGNLLLVRAYWLALRRLRASVVRYSENNTSLFDCIVPVVDQLEADPETQPGDGRFVSLRLAAGPE
 AIFKHMFCDPMAITEMEVDPWVLFHPPATHPDELLLHKAKLACGNFEGRVCIALLRALIYTFKTYQVF
 VPKPTALATFVREAGALLRRHSISLLSLEHTLCTYV

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NC_001806

ORF Size: 1788 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_044634](#)

RefSeq ORF: 1788 bp

Locus ID: 2703352

UniProt ID: [P04413](#)

MW: 63.9 kDa