

Product datasheet for **VC100832**

UL44 (NC_001806) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	UL44 (NC_001806) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	UL44
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 VC100832 represents NCBI reference of NP_044646 with codon optimized for human cell expression

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

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCACCTGGGCGCCTTGGCCTCGCAGTTGTGCTTTGGTCCCTCTGTGGCTGGGGCAGGGTAAAGT
GGGGCTCAGAAACAGCTTCAACTGGCCCCACAATTACTGCCGGAGCAGTGACCAATGCCAGCGAAGCTCC
CACGAGCGGCTCTCCAGTTCTGCCGCTTCTCCAGAGGTGACACCCACGAGCACACCTAATCCTAATAAC
GTCACACAAAACAAGACTACTCCACCGAACCCGCTCCCCCCCCACAACGCCCAAGCCACCAGCACCC
CTAAGAGCCCCCTACTTCTACACCCGACCCCAAGCCAAAAACAATAACAACGCTGCCAAGTCTGGACG
CCCTACCAAGCCTCCCGGCCAGTGTGGTGCACAGACGGGATCCCTGGCCCGGTATGGCAGTAGGGTG
CAGATTAGGTGCAGATTCAGAAATAGTACCCGAATGGAGTTTAGGCTGCAATATGGCGATTTCCATGG
GACCTTCTCCACCATCGCCCTGCACCCGATCTTGAGGAAGTGTGACCAATATTACCGCACCATCTGG
TGGGCTGCTGGTATACGACAGCGCACCCAACTTACTGACCTCAGTGTGTGGCCGAGGGAGCCGGT
CCCGGAGCTGATCCTCCGCTTACTCCGTAACCGGGCCTCTGCCACACAGAGGCTTATCATCGGGGAGG
TCACACCTGCCACTCAGGGAATGTAATCTGCGCTGGGGCAGGATGGATAGCCACACGAGTACGGGAC
GTGGGTGCGGGTGAAGATGTTCCGCCCTCCAGCCTGACTCTTACGCCACACGCCGTATGGAAGGGCAA
CCGTTTAAAGCCACCTGCACTGCTGCCGCTTATTATCCCCGGAACCCAGTCGAGTTGCTTTGGTTGAAG
ATGATCACCAAGTTTTTAAACCTGGCCAAATCGATACCCAACTCACGAGCATCCGGATGGATCACCAC
CGTGTCAACCGTGACATCCGAGGCCGTGGGTGGCCAGTCCCTCCCCGCACATTCCTTGTGAGTACCC
TGGCACCGGGACAGCGTCACATTCAGCAGGCGCAACGCCACAGGGCTGGCTTTGGTGTCTCTAGACCTA
CAATCACTATGGAATTCGGAGTGAGGATCGTGTGCACTGCCGGGTGGGTGCCCTGAGGGGGTACATT
TGCATGGTTTCTCGGCGATGATCCTCCCTGCCGAAAAAGTGCAATTACAGCTCAAGAATCCTGCGAC
CACCTGGTCTGGCTACAGTGCCTCTACTCTGCCAATCAGCTACGACTACAGCGAGTATATTTGTCGGC
TGACAGGCTATCCTGCAGGGATCCCGTCTTGAACATCATGGCTCTCATCAGCCACCTCCGAGGGACCC
CACTGAACGCCAGGTTATCGAGGCCATAGAATGGGTGCGAATAGGCATTGGCGTGTGGCTGCGGGCGTC
CTGGTGGTACC GCCATTGTCTACGTGGTAAGAACCTCTCAATCAAGGCAGCGGCACCGCCGG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC100832 representing NP_044646

Red=Cloning sites Green=Tags

MAPGRVGLAVVLSLLWLGAGVSGGSETASTGPTITAGAVTNASEAPTSGSPGSAASPEVTPSTPNPNN
VTQNKTTPTPEASPPPTPKPTSTPKSPPTSTDPKPKNNTPAKSGRPTKPPGPVWCDRRDPLARYGSRV
QIRCFRNSTRMEFRLQIWRYSMGSPPIAPADLEEVL TNITAPPGLLVYDSAPNL TDPHVLWAEAG
PGADPPLYSVTGPLPTQRLIIGEVTPATQGYLAWGRMDSPHEYGTWVRVRFPPSLTLQPHAVMEGQ
PFKATCTAAAYYPRNPVEFVWFEDDHQVFNPQIDTQTHEHPDGFVVSTVTSEAVGGQVPPRTFTCQMT
WHRDSVTFSTRNATGLALVLPRTITMEFVRIIVVCTAGCVPEGVTFWFLGDDPSPAAKSAVTAQESCD
HPGLATVRSTLPI SYDYSEYICRLTGYPAGIPVLEHHGSHQPPRPDTERQVIEAIEWVGIGIGVLAAGV
LVVTAIVYVVRTSQRQRHRR

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NC_001806

ORF Size: 1533 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_044646](#)

RefSeq ORF: 1533 bp

Locus ID: 2703410

UniProt ID: [P04413](#)

MW: 55.0 kDa