

Product datasheet for **VC101234**

UL45 (NC_006273) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	UL45 (NC_006273) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	UL45
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 VC101234 represents NCBI reference of YP_081503 with codon optimized for human cell expression

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

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGAACCCGGCCGATGCAGACGAGGAGCAGCGCTGAGCTCAGTTCCTGCGCATAGATGCAGACCAGGGA
GAATTCCTAGCAGGTCCGCCGAGACCGAAACAGAGGAGTCATCTGCCGAAGTGGCCGCCGACACCATAGG
CGGAGACGATTCTGAAGTGGAGGAGGGCCACTGCCTGGCGGGGATAAGGAGGCGTCCGCGGGTAATACC
AATGTCTCTTCTGGTGTGGCCTGCGTTGCAGGCTTCACTAGCGCGCGCGGCTTGTCTCGGACACAG
AGTCACCGAGCCCGACGGGACCCCAAGTGTGTTGAGCCTCACAAGGGATTCTGGACCCGACGTGCCAAG
CCGGGGCGGCAGGGTCTCCTCAGGGCTCAGTACCTTCAACCCCGCGGAGCAACCCGCATGGAACGGAC
TCTGTTGAGGAAGAAGACGACTTCGGCGCATCACTGTGAAAGTGTCTCCCCCATTGAGCTATGCGCA
TGCTGATGGGAAAGAAATGCCACTGCCATGGTTACTGGGGCAAATTCGTTTTTGTGGCGTGCAGGAGCC
CGCGCGAGAACTCCATCTGACCGAAACGCACTTTGGAGAGAGATGGACACTGTGTCTCGCCATTCTGCA
GGTCTCGGGAGTTTCCGCTGTTTCAGCTGATTATGAGACACGGACCCTGCCTGATACGACACAGCCCTC
GGTGCATCTCCTGCTGGGTAGGTTTTATTTCAAAGCCAACTGGGCTAGAGAAAGCAGAACGCCGCTCTG
CTACGCTAGTGAGCTCTGTGACGAGTCCGTGCGGAGGTTGTACTGCGGCATATGGAGGATCTTCCAAG
CTGGCCGAGGAAACGGCTAGATTCGTTGAACTGGCCGGGTGCTGGGGTTGTACGCAGCTATTCTCTGCC
TCGACAAAGTCTGTGCGCAGTTGCACGGACAGGATGAAAGTCCGGGCGGGGTGTTTTGAGAATAGCCGT
GGCGCTGACGGCTGCCATCGAAAATCCCGCCATAGTCGAATTTATCGTTTTCACTTGGACGCCAGATTC
GAGGAGAGGTCCTGGAGTCCGTGCTGAAAAGATGCCGAGACGGGCGAGCTCTCACTGTCAACCTTTACTA
TGTCAACCGTGGGGTTCGATCGGGTACCCAGTACGACTTCCTCATCAGCGCCGACCCTTTTTCCGCGCA
CGCCAGTTGGGCCGCATGTGCAAGTGGATGTCCACATTGAGCTGTGGAGTGTCCGTGTCACTGAAACGTC
ACCAGGCTGAATGCCGACGTGAACTCCGTGATTCGCTGTCTCGGTGGTACTGTGACCTGATCAGGGAGA
AAGAGGTGCATAGACCTGTGGTGAAGGTGTTTGTGGACATGTGGGACGTGGCAGCTATCCGAGTATCAA
CTTTATACTGAAGGAGTCAACCTCAGAGCTCACCGAGTGTGCTATGCCTTAATGTTCCATCCGTGCTG
ATGAAGCGGTACAGGGCCAGAGAGCAGAGGTATAGTCTGTTTGGGCGGCCGCTCAAGGAGACTGTCTG
ACTTGGGCCAGGAATCCGCTTTGAGAAGGAATACTCACGGTGTGAACAGTCTTGTCTAAGGTGGTGTG
GAATACTGATGACTTTTTGAAGAAGATGCTGTTGTGACTGAAGGGTGGGCGCTGTGGTGTGTTGTC
CACCACGTGTCAAATACTCCATCATGGCGGATAGTGTATGCCTCCCTCCTGTTTGTACCAGACATGG
CCAGCTGCCACTTTGGTGAATGTGACATGCCTGTGCAGCGCCTTACAGTGAATGTTGCACGCTGTGTGT
CGCCCGGTCTGACGAGCAGAAGCTTACCTTCCCGATGTGGTGTGGGAAATACACGGCGCTACTTCGAT
CTCTCCGTGCTGCGGAACTGGTCACAGAAGCAGTTGTATGGGAAATGCAAGACTGGACGCTTTGATGT
CCGCTCCGAGTGGTGGTGGAACTGCGCCTTGAAGAGTGGCGCCTCTGCACATCGGCGTTGCCGGCT
GCACACTGCGCTGATGCGGTTGGGCTTACCTATTTGCAAGCTGGGATCTGATCGAGCGAATCTTCGAA
CACATGTACTTTGCAGCAGTCCGGGCTCAGTGGACCTTTGTAAGTCCGGCCTGCCTCGCTGCGAGTGGT
TTGAGAGGACTATTTATCAGGAGGGCAAGTTCATTTTGAAGTCTATAGGCTGCCTCGCTTGTCCATTGC
TAGCGCAAGGTGGGAAGCATTGCGGGCCGACATGTTGGAGTTTGGTCTGAGGAACTGCCAATTCCTCGCT
GTGGGGCCAGATGATGAGGTGGCTCATCTTTGGGGGTGACCCCTAGCGTCTGGGCTAGTCGGGGCACCG
TATTCGAGGAAGAGACTGTGTGGAGTCTCTGCCACCTAATCGGGAATGCTACTTCCCCACAGTGTCCG
CAGACCACTGCGGGTACCGGTGGTCAATTACGCTGGCTCGAACAGCATCAAGAGGAGGGAAAGGCCACA
CAGTGCCTCTCCAGGCAGTCCGGCTATCCAGAATGACGTGAGATGGCTGCCGTGAATCTGAGCGTCT
TTGTTGACCAGTGCCTGGCTCTCGTTTTTTATTACGACTCTGGCATGACACCCGACGTGCTTCTGGCCAG
GATGCTCAAGTGGTACCCTGCGGTTTAAAGTGGTGTATAAGTACTGTGCGTCT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAAGTTTAA

Protein Sequence: >VC101234 representing YP_081503
 Red=Cloning sites Green=Tags

MNPADADEEQRVSSVPAHRCRPGRIPSRSAETETEESSAEVAADTIGGDDSEEEGLPGGDKEASAGNT
 NVSSGVACVAGFTSGGGVSWRPESESPDGTSPVLSLTRDSGPAVPSRGGRVSSGLSTFNPAGATRMELD
 SVEEEDDFGASLCKVSPPIQAMRMLMGKKCHCHGYWGKFRFCGVQEPARELPSDRNALWREMDTVSRHSA
 GLGSFRLFQLIMRHGPCLIRHSPRCDLLGRFYFKANWARESRTPLCYASELCDESVRFFVLRHMEDLPK
 LAEETARFVELAGCWGLYAAILCLDKVCRQLHGQDESPGGVFLRIAVALTAAIENSRHSRIYRFHLDARF
 EGEVLESVLKRCRDGQLSLSTFTMSTVGFDRVPQYDFLISADPFSDASWAAMCKWMSTLSCGVSVSVNV
 TRLNADVNSVIRCLGGYCDLIREKEVHRPVVRFVDMWDVAAIRVINFILKESTSELTGVCYAFNVPSVL
 MKRYRAREQRYSLFGRPVSRLSDLGQESAFEKEYSRCEQSCPVVVNTDDFLKKMLLCALKGRASVVFV
 HHVVKYSIMADSVCLPPCLSPDMASCHFGCEDMPVQRLTVNVARCVFARSDEQKLHLPDVLGNTRRYFD
 LSVLRELVTEAVVWGNARLDALMSASEWWVESALEKLRPLHIGVAGLHTALMRLGFTYFASWDLIERIFE
 HMYFAAVRASVDLCKSGLPRCEWFERTIYQEGKIFELYRLPRLSIASARWEALRADMLEFGLRNCQFLA
 VGPDDVAHLWGVTPSVWASRGTVFEEETVWSLCPNRECYFPTVRRRPLRVPVNYAWLEQHQQEKGAT
 QCLFQAAPAIQNDVEMAAVNLSVFDQCVLVFYDMSGMTPDVLARMLKWHYHWRFKVGVYKYCAS

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN:

NC_006273

ORF Size:	2718 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:	<ol style="list-style-type: none">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_081503
RefSeq ORF:	2718 bp
Locus ID:	3077444
MW:	101.7 kDa