

Product datasheet for **VC100842**

UL53 (NC_001806) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	UL53 (NC_001806) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	UL53
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC100842 represents NCBI reference of NP_044656 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTGGCCGTGCGGTCACTGCAGCATCTTTCTACAGTGGTACTTATCACAGCCTACGGTCTTGTCTTGG
TGTGGTACACAGTCTTTGGAGCATCTCCCTGCACAGATGCATCTATGCTGTACGCCACAGGAACCAA
CAATGATACGGCTCTGGTGTGGATGAAAATGAATCAAACACTGCTGTTCCCTGGGAGCACCCACGCATCCT
CCGAATGGAGGCTGGCGGAACCATGCCACATCTGCTATGCCAATCTTATCGCTGGTAGAGTGGTGCCAT
TTCAGGTGCCCCCTGACGCCATGAACAGAAGAATTATGAATGTACACGAGGCCGTGAAGTGCCTGGAGAC
ACTTTGGTATAACCCGCGTCCGCCTGGTAGTGGTGGGCTGGTTCCTGTATCTCGCATTGTGGCTCTCCAC
CAACGGCGATGTATGTTTCGGAGTAGTGTCTCCGGCGCACAAAGTGGTGGCTCCCGCTACCTATCTTCTTA
ACTACGCAGGACGGATTGTGAGCAGCGTTTTCTTGAATACCCTTACACTAAGATCACGAGGCTGCTCTG
CGAGCTCAGTGTGCAACGGCAGAATCTCGTGCAACTTTTCGAGACTGATCCAGTGACCTTCTCTACCAC
AGACCCGCCATCGGAGTCATTGTGGGATGTGAGCTGATGTTGCGATTGTCGCGCTCGGACTGATCGTGG
GTACCGCATTTATCTCAAGGGGAGCATGCGCTATCACCTACCCTCTGTTTCTGACGATAACTACGTGGT
TTTCGTGAGTACTATCGGTTTGACAGAGTTGTATTGTATCCTGCGGAGAGGGCCAGCACCTAAAAACGCA
GACAAGGCCGCCGCCCGGCAGATCAAAGGCCCTGTCTGGAGTCTGCGGACGCTGTTGTTCCATTATTC
TTTCTGGTATTGCTGTTTCGGCTGTGTTATATTGCCGTTGTGGCGGCGTGGTTCTGGTTGCTTTGCACTA
CGAGCAAGAGATTCAAAGGCGACTGTTTCGATGTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >VC100842 representing NP_044656
 Red=Cloning sites Green=Tags

MLAVRSLQHLSTVVLITAYGLVLVWYTVFGASPLHRCIYAVRPTGTNNDTALVWMKMNQTLFLGAPTHP
 PNGGWRNHAHICYANLIAGRVVFPQVPPDAMNRRIMNVHEAVNCLETLYWYTRVRLVVVGWFLYLAFVALH
 QRRCMFGVVSPAHKMVPATYLLNYAGRIVSSVFLQYPYTKITRLLCELSVQRQNLVQLFETDPVTFLYH
 RPAIGVIVGCELMRFVAVGLIVGTAFISRGACAITYPLFLTITTWCFVSTIGLTELICYILRRGPAPKNA
 DKAAAPGRSKGLSGVCGRCCSIIISGIAVRLCYIAVVAGVVLVALHYEQEIQRRLLFDV

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NC_001806

ORF Size: 1014 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_044656](#)
RefSeq ORF: 1014 bp
Locus ID: 2703425
UniProt ID: [P04413](#)
MW: 37.6 kDa