

Product datasheet for **VC101243**

UL53 (NC_006273) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	UL53 (NC_006273) 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 VC101243 represents NCBI reference of YP_081512 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGTAGTGTTAGCGGAGTGCGCACACCCCGGGAGAGGGCATCTGCATTGAGGTCCTCTCGGAAGC
GCAGACAGAGAGAACTCGCCAGCAAAGTAGCCTCTACTGTAAACGGTGCCACTTCCGCGAATAACCACGG
TGAACCTCCAAGCCCGGCTGATGCCAGACCTCGGCTGACTCTGCACGATCTTCATGATATCTTCAGGGAA
CATCCCGAGCTTGAATTGAAGTACTTGAACATGATGAAAATGGCTACTGCAAGGAGTCCATTTGCC
TGCCATTTAACTTTCATAGCCACCGCCAGCACACTTGCCTGGACATCAGCCCGTACGGCAACGAACAAGT
CTCTCGAATCGCCTGCACCAGTTGCGAAGATAACCGAATCCTCCCAACTGCTTCTGACGCCATGGTTGCC
TTCATCAACCAAAGTAACTAATGAAAAATCGGAACCTTCTACTACGGCTTTTCAAGTCTCCGAAC
TCCTGAAGTTGTCTACTAACCAGCCACCCATATCCAGATCTATTATTTGCTCCATGCTGCAAAACCATGA
TATCGTGCCCTTCATGCATGCTGAAAATGGGCGACTCCATATGCACGTCATCTTCGAAAACCTCCGATGTT
CACATTCCATGTGATTGTATTACTCAGATGTTGACCGCTGCACGCGAAGACTACTCCGTTACTCAATA
TAGTGAGGGACCATGTGGTGATCTCCGTGTTGTGCCACGCGTTAGCGCTTCTTCAGTAAAATCGACGT
GACCATACTTCAGAGGAAAATCGATGAAATGGATATACCAAATGACGTCTCAGAGAGCTTCGAGAGGTAT
AAAGAATTGATTCAGGAACTTTGCCAGTCTAGCGGCAACAATCTTTACGAGGAGGCCACCTCATCTACG
CTATCCGCTCTCCACTGACCGCTAGCCCTCTGCATGTTGTGAGTACAAAATGGGTGCGGTCCCAGTCTTC
TTCTCAGTCCACACCTCCTCACCTCCACCCACCAAGTCAGGCAACCCAGCCTCATCATTATAGCCACCAT
CAATCCCAGTCACAGCAGCACCATCATAGGCCCCAGTCTCCCCCTCTCCCTGTTCTGAACTCCATTC
GAGCTCCT

ACGCGTACGCGGCGGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



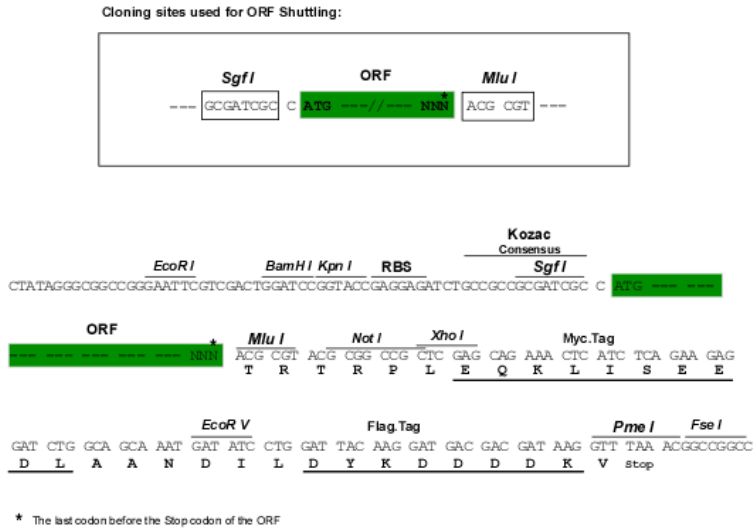
Protein Sequence: >VC101243 representing YP_081512
 Red=Cloning sites Green=Tags

MSSVSGVRTPRRRSALRSLLRKRRQRELASKVASTVNGATSANNHGPPSPADARPRLTLHDLHDIFRE
 HPELELKYLNMKMAITGKESICLPFNHSHRQHTCLDISPYGNEQVSRIACTSCEDNRILPTASDAMVA
 FINQTSNIMKNNFYGFCKSSELLKLNSTNQPPIFQIYLLHAANHDIVPFMHAENGRLLHMHVIFENS
 DVHIPDCDCITQMLTAAREDYSVTLNIVRDHVVISVLCHAVSASSVKIDVTILQRKIDEMDIPNDVSE
 SFERYKELIQELCQSSGNNLYEEATSSYAIRSPLTASPLHVVSTNGCGPSSSSQSTPPHLHPPS
 QATQPHHYSHHQSQSQQHHRPQSPPPPLFLNSIRAP

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NC_006273

ORF Size: 1128 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_006273.2](#), [YP_081512](#)

RefSeq ORF: 1128 bp

Locus ID: 3077575

MW: 42.3 kDa