

Product datasheet for **VC101393**

U45 (NC_001664) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	U45 (NC_001664) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	U45
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC101393 represents NCBI reference of NP_042938 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTA**CT**CAGCCATCTCCGAGAAAATCAGTGAACAATCACTTTGCAGCGGCAGACTTCTTCTCGGTACA
TCGAGTTCTTTCGTGTTCCGGAACGTAGACATTAACGA**ACT**CTGGACCACAGATATCAGTGAAGACAAAAC
CCACGAGCTCTGGCCCGCAGTGAACGAGAAGAGCTTTAAGAAATTTTGGAGAACGAGCTCACATCATA**C**
CAGCGGCCTATACCTTGTCTCGGATACCACAGAACGGTACTGTTAGCAAAACCTGTAAGAAGGAGAAGC
AGAGAGAGACCGATTGTGTC**AACT**ACGAGCGAAAAGGGGAATCCAGTGACCTTTTACCCAAGACATCG
GGCAAAACGGAACGCAAAACACGGATACTTGTATTTCCGAGGAGCCAGCATACTTGTGAGCCATCATAGG
AATTCTAAAATGGACGTTTTTATGGACACAAAACAAATCAGCTCGTCAACAGGGAACTGATATGGGTGC
CCCACGACCAAGTTAGAATCGTGAAGCTGGATATTTCTCTGTACATTCCGGACGGATTCTTCGGGGTCAT
TACAGGACATTCAAACGATGTGTTTTGCGAGTGTGTACCAGAGATCATTACAGACGAGACTGACATAAGC
GTGTTCCCTATGAATCTCTCAGAACATTCTTTATGCTCCTGCCCGGCGACGTAGAGTTTTCCATTA**ACT**
TTCTTCCCTGCTACATCCAGAGCCCTGGGAAATGATAAATCTGTCA**CCCCCT**GAATTTGCAATTTTTCA
TCTGAAGGCCAGCAGAGAGTTT**CATT**GCTAAGCCTAACTCATACTATT**CAGT**ATTTTGAGCCATGTAT
GTTTGCCTGATGAGCTCAAGGCTCTGATGATTCCAGTAAGGAGATTGCA**AAAGCT**CGGACTGCTCATAG
AGACGTATATCTGGAACAAGACACAATCCCATCCATAAAGATCTTCAATTCAACTCGAAAAACGATCTA
TATCCCTACCGGGATCTGCATTGCCAGAATTATTTACCTGTGGGCACTTTTGCCTCTCTCTATGCCT
GAGAGGGCAATTAACAGGCTTCAAGTCCTTGATGCAAACTCAAGTTTCTTGTTC**ACT**ACGCAGCTTCCA
ACAATGCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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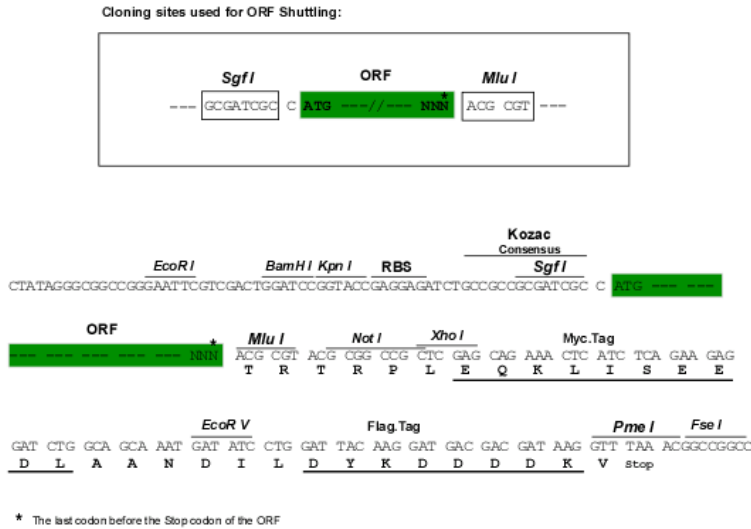
Protein Sequence: >VC101393 representing NP_042938
 Red=Cloning sites Green=Tags

MYSAlSEKlSETlTLQRQTSSRYIEFFVFRNVDINELWTTDISEDKTHDVPAVNEKSFKKFLENELTSY
 QRPiPLLGIPQNGTVSKTCKKEKQRETDcVNYERKRGNPVTFYPRHRAKRnANTDTCISEEPSILVSHHR
 NSKMDVfMDTNKlTLVNRELlWVPHDQVRlVKLDlSLYlPDGFFGVITGHsNDVFCECVTElITDETDlS
 VFLMNLSEHSLMLLPGDVEFSINFLPCYlPEPWEMINLSPPEFAIFHLKASREFIAKPNsYTIQYFDAMy
 VCADELKAlMlPSKEIAKLGllLIETyIWNKDTlPSIKlFNSTRKTIYlPTGIClARIlFTCGHFCLSLMP
 ERAlNRLQVLDANSSFLFHYAASNNA

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NC_001664

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_001664.2](#), [NP_042938](#)

RefSeq ORF: 1128 bp

Locus ID: 1487924

MW: 43.4 kDa