

Product datasheet for **VC101486**

U45 (NC_000898) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	U45 (NC_000898) 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 VC101486 represents NCBI reference of NP_050226 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTATTCTGTGATCTCCGAAAAATCAGTGAACAATCACCTGCAGAGACAGACTTCTAGTAGATACA
TTGAATCTTCGTGTTCCAGGAATGTGGACATCAATGAGCTTTGGACTACGGACATTTCCGAGGATAAGAC
CCACGACGTTTGGCCCGCAATTAATGAAAAATCTTTCAAAAAATTCCTGGAGAATGAAGTACCAGTTAT
CAGAGGCCCATCTCCCTCCTTGGTATACCCGAGAATGGCACCGTATCTAAAACCTGCAAGAGGGGAAAC
AGAGAGAGACGGATTGCGTAAATTATGTGAGGAAACATGGCAACCCCGTACGTTCTATCCAAGACACAG
AGCGAAGAGGAACGCCAACACGGACACGTGCATCAGTGAGGAGCCGTCCTCCTGTCTCACACCCAGG
AACAGCAAGATGGATGTGTTTCATGGATGCAAAACAAAATTACCCTTGTCAATCGGGAGCTGATTTGGGTCC
CTCACGATCAAGTCCGGATCGTGAAGCTGGACATCAGTCTCTGTATCCCCGATGGGTTTTTTGGGTTCAT
CATCGGCCACAGCAACGACGTGTTTTGTGAATGTATCACTGAAATCATAACTGATGAGACGGACATCAGC
GTCTTCTCATGAATCTCTCGAACACTCTCTGATGCTGCTGCCTGGGATGTAGAGTTTTCAATTAAC
TTCTCCCATGCTATATCCGGAGCCATGGGAGATGATAAACCTGAGCCCCCTGAGAGTGCAGTGTTC
TCTGAAGACCTGCCGAGAGTTTATCATCAAGCCTAATTCTACACCATTAGTGTCTTGGAGCTATGTAC
GTGTGTGCAGACGAGCTTAAGGCACTGATGATCCAGTAAAGAGATAATAAACTGGGTCTCCTATTG
AACTTATATATGGAATAAGGACACCATCCCATCCATAAAAAATTTAACTCCACACGGAAAACCATTTA
CATACCGACTGGCATCTGTATAGCTCGAATCATATTTACCTGCGGGCACTTTTGCCTGTCCCTCATGCCA
GAACGGGCAATTAACCGATTGCAGGTGTTGGACGCAAGCTCATTTTTCTGTTTCACTATGCAGCATTCT
CTAACGCG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >VC101486 representing NP_050226
 Red=Cloning sites Green=Tags

MYSVISEKISEITLQRQTSSRYIEFFVFRNVDINELWTTDISEDKTHDVPAINEKSFKKFLENELTSY
 QRPISLLGIPQNGTVSKTCKREKQRETDVCVNYVRKHGPNVTFYPRHRKRANANTDTCISEEPSILVSHR
 NSKMDVFM DANKITLVNRELIWVPHDQVRIVKLDISLCIPDGGFVGIIGHNSDNVFCCEITEIITDETDIS
 VFLMNLSEHSLMLLPGDVEFSINFLPCYIPEPWEMINLSPPE SAVFHLKTCREFI IKPNSYTIQCFDAMY
 VCADELKALMIPSK EIIKLG LLIETYIWNKDTIPSIKIFNSTRKTIYIPTGIC IARIIFTG HFCFLSLMP
 ERAINRLQVLDASSFFLFHYAAF SNA

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NC_000898

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_000898.1](#), [NP_050226](#)

RefSeq ORF: 1128 bp

Locus ID: 1497047

MW: 43.4 kDa