

Product datasheet for VC101466

U25 (NC_000898) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	U25 (NC_000898) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	U25
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC101466 represents NCBI reference of NP_050206 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGCCTGTCCAGCTCTAAGGACATTGATCTTCTGTCACTTTATCGAGAACCGCAAGGGGCCACAC
TTGCTCTGCCCTGGCCGAAGACTACAGGCTCACCTGCACTCTGTAGAGAATATCCCGATATTTCTCG
GGAAGACGTCCAAAACCTGGCCAAAACCTACATGTGTTGCGAGGGGGAGTTGGTAGTTGTGGCGTAATC
CACAAGGCCAAGACCCGGACTTGTAGAGGGCCGATCGTGTGCAGGGAGCGGAGGCCATATATATGTAT
ACAACGGCTTTTTCGATAGAAGCCTTTATCACGTTGCTAGCTCCTTTACGACCTCTTCTCAAACGGACT
TAGATTCTTTTACCCATTTACGAAACATGCGACTATGCCCTGGACAGTACCGTGGCACTGGATATGATT
GCTCATAGTAAATCATTCTCAGAGCTGCTGCACTACAGGAATGAAAGGAAGAACGCCTTTTTTACCCCTGA
AGACCTATCCTTACAAAACATTCGTACGATTTTGCAACCTGAGTATGACCGGCTTTTCTCTAAACATCT
TATCCAATGGCGGCGAAACTGCAAACATCCCTTCTGGATGTAGTTTTCATAGTGAACACAATTTTTTT
GGAGACTGGAGGGAACCTCGTGGTTGATTTGACGGCCATGGGATGCTCTTCTGCGTCGACAGGGAAGAGT
CCCTGCTGTTTATCGCACGGAACATGTCAGATTTTCTCAAGATCGGATGTTTGCCTACAACGAGAATAG
ACGGCTCCACACCCAGTGGTTCACCCAAGACACAGACTACATTAAGCAGGTGGACGAAATGTTTTCCCGG
GACGTGCTGTGTCCCCTTAGGGAACATTGCCAGCGCAGTAGGCGCGACCGGGGCTTGTGAAGATTTGCA
CCAGTCTGGTGGGGGAATCAATTGCATCGAAAGAGGG

ACGCGTACGCGGCGGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >VC101466 representing NP_050206
Red=Cloning sites Green=Tags

MGLSSSKDIDLLVNFIEINRQGATLALPWPEDYRLTLHSVENIPDISREDVQNWAKTYMCEGELVVVGVII
 HKAKTRTRCRGPIVLQGARGHIYVYNGFFDRSLYHVASSFHDLFSNGLRFFYPIYETCDYALDSTVALDMI
 AHSKSFSELLHYRNERKNAFFTLKTYPKTFVRFNCNLSMTGFSKHLIQWRRKLQTSLLDVVFIYQHNFF
 GDWRELVVVFDGHGMLFCVDREESLLFIARNMSDFLKIIGCLRYNENRRLHTQWFTQDTDYIKQVDEMFSR
 DVLCPLEHRCQRSRRDRGLLKICTSLVRGINCIERG

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_000898

ORF Size: 948 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_050206](#)
RefSeq ORF: 948 bp
Locus ID: 1497027
MW: 37.1 kDa