

Product datasheet for **VC101477**

U36 (NC_000898) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	U36 (NC_000898) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	U36
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>The Viral ORF clone VC101477 represents NCBI reference of NP_050217 with codon optimized for human cell expression

Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTATAAGGGGTGGATTCTGAGGCACTGAGCATCCAGAGCGAAATCGTTAATGAAATTCTTCTATT
GTTATCTGACCCCGCAGCCCCCTATCCCAAGCGAGACAACGACGGCTACTAGCCAACTAATATTGAGAA
TGAGATATCAAACCTGGAGTCTAGCGAGAACCTCGAGGAAGTGAAGAGATTGAGCGTGGCCCTGAATATA
GATCGACGCTGCAACATTTGCTCCATCGTGAATCTCTGCCTGAAACAGAACAAATCTGGATTTACGATT
ACAGCCTGCTGTGTACAAGTCAACTACGCACCAAGACCCCTCTGAGTCTCTGATCGTCAGTGTCTGA
ATTCATCATGCTTATCAGGGAGAGGTTTCCAAATATCAATTTGACGGACTCTTTCAGAATAACATTGTG
TCCATTTTCGACTTTCACGTGCACTTTTTATCCACAGATGTTTTGCAAATACGGTGAATGACCATTC
AGAGTGAGAATATCACATTGAACCACATGGCTATCATCCGATCTACTCTCCTTAAGGAGGATTCAATCCC
ACACATTAATAAATCAAGAAATTTCTGACTAAGAAGATGAACCCAAAGAAAACACAAAGTCCCAGCTGAAC
AAGAAGCTGACTGTGCCAATGAAGACTCGATTTACCACCTTCTTTTTATATGTGGAGCGGTACCAACG
TCTTCGATAGGGTTCCCTTTACTGACCTTACAATACGAAAACACCGATTCATCAAAAATTTGACTCCAA
CAAAACGGATATCGAGTTGACCGCCGCCCCATCCTTTTGGCCAGATCCCATTCTCCATTACCAAGAAT
AAGACGACATCCGCTGTGTTGCTGTGTAAGTACTGAGGCTGCTTCAAAACAGGATTACCTGTTCTCAAAT
ATCTGCATCAAAGTATTATGGACTACTGCCAGAATAATCTTAAATGATTGATCGGGTACAGTTCGTGAT
TGCCGACATTTTCGAAAAGACCAAGATCCACATGCACGTGAAAAATCTTCCGACTACTTAAGGCCATA
TTTGACAACGAGTTCAGTTTCTCTGACGACAACCTCACCTCGACACACAGTGTATCTGATTCTGAGGC
AGACTGGTACAGTGGCGGTGTACAACATTTTTTTGCGACCCGCTTTCCTGGCTAATTGCAAGACCAT
CAACCCTGAGGTCTGTTAATACAACAGATGCCGGTGAAGTTCAGGACCTCAAAGTGAATTTGTTAT
CGCAATGAATACCTGAGCATTGTGGAGAAGCACGTATGGCTGGCTATCCACCTTTTCAAGGCATTTCAGA
TCATCAAGCCCAATCACAAGAACAAGACGCAGATTGCTGAGTTTCTTAAAGACTTCACCAACCTGCTCG
ACTGCACCACTTCGATATCGTCGACCCATTTTCACAGTTAATTACTACGTT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC101477 representing NP_050217

Red=Cloning sites Green=Tags

MYKGWDEALSIQSEIVNEILLCYLTPQPPIPSETTTATSPTNIENEISNLESSENLEELKRLSVALNI
DRRCNICISIVNLCLKQNKSWIYDYSLLCYKCNYPKTPLSLLIVSAEFIMLIRERFPNINFDGLFQNNIV
SIFDFHVHFFIHRCFANTVNDHIQSENI TLNHMAIIRSTLLKEDSIPHIKIKKFLTKKMNPKKTQSPEN
KKLTVPMKTRFTLLFYMWSGTNVFDVPFTDLTIRKHRFIKNLYSNKTDIELTAGPILLAQIPFSITKN
KTTSVCLLCELMAASKQDYLFKYLHQSIMDYCQNNLKMIDRVQFVIADIFEKTKIHMHVKNLSDYSKAI
FDNEFSFSDDNFTLDTHVYLILRQTGTGVYKHFCDPLCLANCKTINPEVLFNTTDAGEIQDLKVTICY
RNEYLSIVEKHVWLAIHLEKAFQIIPNHKNKTQIAEFLKDFTNLLALHFFDIVDPIFTVNYVV

TRTRRLE**QKL**ISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NC_000898

ORF Size: 1452 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_050217](#)
RefSeq ORF: 1452 bp

Locus ID: 1497038

MW: 56.4 kDa