

Product datasheet for **VC101575**

U36 (NC_001716) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	U36 (NC_001716) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	U36
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>The Viral ORF clone VC101575 represents NCBI reference of YP_073776 with codon optimized for human cell expression
 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCATACAAAGGCTGGAATTCGATAGCTTTTCTATGAATAGTGAGCTGTTTAAATGAGATTCTGCTGT
 ATGCCACCTTGACAGCTCCGGTATTGATAGTGACGACCTTAACACAAACCCAAATACACTGGAGAAATGA
 GATCAACAGCGTGGAGAAAACACTGAATATCGAAGAGTTGAAGAAGATCACACCGCCCTCAATATCGAT
 AACAGGTGCAATATCTGCAGTAAATCAACATCTGTCTGCGACACGAAACCGATAAAATGTGGATTTATG
 ACTATGCTCTGTTGTGCTACAAATGTAACGCGCGCCAGGACGCCTCTTGCTGTCGTGATAATCGCTAC
 CGAGTTTATGCAATTGATCCAGAAGCATTTCCTGAATATCAACTTTGACGGGCTCTTTCTGAATAACATT
 CTCTCTATACTGGACTTCCAGTCCACTCTTTATCAATAGATGTTTTTCTAATACTAATGACGATCTGC
 TGCATAACGAGAAATAACCTTGTATCACATGGCTATTCTGAAGTCATTGCTGTTGGAGGATGAAAGCAT
 CCCAAACATCCGGATCAAGAAGTTCAAGTTGAAAGGCAAACCAACCAAGAACAGCACGGAAACGCAATC
 CTTGAAAAACAGACTTTGCCTCTCAACACACATTTCACTCATCTGATCTTTTATATGTGGCCGGTACAA
 ATATCTTCGACCGAATATCTCTCACCGATCTGGCCATCAAGAAGCGGCAGATACTGAAGGCCATTTACTC
 CACTAAGAACGAAGTCAACTGCTCCGCCGCCCATCTTGCTGAGTCAGATACCCATCAGTATTACCAAG
 AACGCTACGAGCAGTGTGTGCTGCTGTGCGAGCTTATGACTTCTCCAAAAAATTTTACCTTCTGC
 AGTTTATTTACACCAGCGTGATCAATTACTGCCAGAATAACCTGAAAATGATAGATCGCATCCAGTTTGT
 CCTGGCCAATTTGCTGGATCTGGCGGCATCTATACCAACGTGAAAACAACATCCGACTGCTCTAAGATT
 GTCTCGCAAATGAGCAGGAGTTTCTAACAGCGACTTCGTATCGACTGCCACTCATTCTTATCCTGA
 AGCAGGTGGGGCCTGTGGGCTCTATAAGCACTTTTCTGTGATCCCTTGTGCATCGCCAACATCAAGAC
 TATAAAGCCCATATTCTTTTCTATACCACGGAGTTGCATACTGCAGGACTTTAAAGTAGCTATTTGT
 TATCAAAACGAGTACTTGAAGTCTGTCGAGAAACAGTGTGGCTCGTATTCAATTTCTTTAAAGCCTTTC
 AGGTGTCTAAATTGAATCACAAGAATAAACCTTGATAAGCGACTTCTCAAGGATTTCCACCAGCTGCT
 GGCTGATCAGAATTCGAAATAGTGACCCGACGTTACCATTCAATATTATGTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC101575 representing YP_073776
 Red=Cloning sites Green=Tags

MAYKGWNSDFSMSNELFNEILLYAHLDSSGIDSDDLNTPNPTLENEINSVEKTLNIEELKKITTALNID
 NRCNICSIINICLRHETDKMWIYDYALLCYKCNAAPRTPLAVVVIATEFMQLIQKHLNINFDGLFLNNI
 LSILDFHVHFFINRCFSNTNDDLHNENITLYHMAILKSLLEDESIPNIRIKKFKLKGKPTKKQHGNAI
 LEKQTLPLNTHFTHLIFYMWAGTNIFDRISLTDLAIKKRQILKAIYSTKNELNCSAGPILLSQIPISITK
 NATSSVCLLCELMTSSQKNFDLLQFIYTSVINYCQNNLKMIDRIQFVLANLLDLARIYTNVKTSSDCSKI
 VLANEQEFSNSDFVIDCHSFLILKQVGPVGLYKHFFCDPLCIANIKTIKPHILFYTTESCILQDFKVAIC
 YQNEYLNSVEKHVWLAIHFFKAFQVSKLNHNKNTLISDFLKDFTLQLLADQNFEIVDPTFTIHYVV

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NC_001716

ORF Size: 1455 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_001716.2](#), [YP_073776](#)

RefSeq ORF: 1455 bp

Locus ID: 3289494

MW: 56.0 kDa