

Product datasheet for **VC101474**

U33 (NC_000898) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	U33 (NC_000898) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	U33
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 VC101474 represents NCBI reference of NP_050214 with codon optimized for human cell expression
 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTTTTACCTGAAGAAGCTGCTGCGCCAGCTGCTGGCGCCTCTGTGTAACACGGACCATACTACC
 TCCAGCTGTTTGTGATGGCGACGCTTGCCTCCAGGAAAATGTGTGCTGACGATGTTTCTTACCAACAA
 AAAGTTCTGAACAAGGAGGTGACAGAAAAATTCTATAATGAATTCCTTGTCTATATGGCTTCGCTGATAGG
 CCCGAAACACGATTCATTACGAAGCGACTGTCAACAAAATGGTTATGACTAAGGGGCTGTTCTGACTCC
 TGGCATACTTGTATTTCTGCTATCGCCAATGTAAGGTATTGGAATTGCTGCTACTCTACAAGCTGAAGCG
 AATCAAATGGATGGATGTGAAACCCGGTTCAGGGTCTACCCCTCCTATAAGCTGAATAAAGCTGCTTGAA
 ATGCCGCTCTTCCGAGATCAACGAATTCACATGTTCTCTTGAACAGCAGCTGCTTTTGCCTATTC
 CCACACACGTGAACCTGCCCTGTATGCGACTGTTTTGTCTCCGGGATTATGAACAGACGGAGACCGTTAT
 GCTCAGATACCGACAACGCGAACATGTGCTCTCCTTCCCCTCCATGCTCCAAAAGTACGCCCTGAAGAGC
 CCGGCAGGCAACTTCATGTTTACAATGGCAAAGGCTCTGGTAGAGAACTCTGTTTTAGTGTGATAGAT
 ACCTCATTCTGTGGAACACAACAATCTGGTCCGATGTTCCATCCAAGCCCGAGAGAGGAGATTTTCC
 TAAAATCCTCACTTTCGCACTCGCAACGAGCCTGAAAGATGGACTGGCCACCTCCGTGATTAGCCTTCT
 GTGATGTGTTATTGCAAGACCAAGTGTCCAGATTTATTCTGGAAGAAAGCTATATCTGCGTTATCTGTG
 CCAATGCGGACATTGTCTTAACTCCGTAAGGAAAACTGTGCAGCCCAAGGGTTTTCCCTGTCATC
 TATGTTCTACTTTCGGGATAAACAGGAAAAGAACCTCATTTACTCCATGCACACCGATGTGATGACTGT
 TCCCTTTGTGGTTCACAGCAACTGGTGTGTTGAACGCATCTACGAGATGTCGAACATTGCGTGTGGGTA
 TGAAGGTCGAGACAGTGTCTTGAAGGCAGTGATCGGGACGAACTCAGCATGTACAATCCTTAACGATAA
 CGTGAAATTCGACGTCATCGTCCATGCTCCTGCCGGTCACTGTTACTCTACAGTGCACCTGTACAACGTC
 ACGGTCAAGAAGCTGTTGCGGCTCGTGAGTCACGGATCTGACTTCCAGTGTCAACACTGTGAGCATTCTT
 TCCGAGAAACCTGCCTGGACCTGGAAGACTGCGTGAATATCTGCCAGGGTGGCAGATCTCTCAGAATGT
 CAGATGCATT

ACGCGTACGCGGCGGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC101474 representing NP_050214
 Red=Cloning sites Green=Tags

MFYLLKLLRQLLAPLCKHGPYTHLQLFVMGDACVPGKCVLTMFLTNKKFLNKEVTEKFYNEFFAIWLRRCR
 PETRFITKRLFNKMVMKGLFVLLAYLYFYRQCKVLELLSLYKLRKIKWMDVETRFRVYPSYKLNKLE
 MPSFSEINELHMFLFEQQLLLPIPTHVNLPCMRLFCLRDYEQTEVMLRYRQREHVSFPSMLQKYALKS
 PAGNFMFTMAKALVENFCFSADRYLIPVEHNNLVPMVPSKPERGDFPKILTFALATSLKDGLATSVISLP
 VMCYCKTKSRFILEESYICVICAACGHCCLNSGKEKLCSPQGFSLSSMFYFRDKQEKNLIYSMHTDVMYC
 SLCGSQQLVFERIYEMSEHCVLGMKVETVSWKAVIGTNSACTILNDNVKFDVIVPSCSRSCYSTVHLYNV
 TVYKLLRLVSHGSDFCQHCQHSFRETCLDLEDCVNICQGCQISQNVRCI

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

ACCN: NC_000898

ORF Size: 1410 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_050214](#)
RefSeq ORF: 1410 bp

Locus ID: 1497035

MW: 54.8 kDa