

Product datasheet for **VC101471**

U30 (NC_000898) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	U30 (NC_000898) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	U30
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC101471 represents NCBI reference of NP_050211 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACCCAGCACAAACAGGCAGCTGTTGCCCCAGGAGACCAAGCTGGTCACACCCAACAAAGATACTCTGT
CTAGTCGGTACCTGCACGTTCTGATAATTGATAACACCCTGAGCACTATAGAATTCGTGTATATGGTGTT
GAAAGCCGTGCTGACGCAGGCTGACACCCTTAAAGCCTTCGAGCAGAGGAAGAACAGGCCAACAAATAGG
ATCCTGGGGCTCAGCACAGCTTTCAAAGAGATACATCAATTTCCGAAATTTAGCAGCTCAGGCGCAA
ATAACTCACAGGGCGTTAAAACGCTCGCCGCATACGCAAGTTTTCTTGCCCGACAAGAATTGTTTTCG
AAACTTCTGAGCTTCTCAACCACTCTTTTTAAGGTTCCGGCCTCCATCGACATTTATTTCTTTTCTTC
ACAGCCAGTACCGTTTCTACTATGGCCGACGGCTCTGGACCTTGAGTTCATCCTCTAGCTTGAAAA
ATTCTACAAGTCCCGAGTCCCTGCTGGCAGCCACAGCTAAAAATAGAGATTCTGTCTCTGGCTGCCGATTC
AGTAACCCATAATCGAGTGATCGCATTATTAACAGACTCCACCTAAGAAAATACACTTTGATCTCATC
CGAGAATATACAGTTTTCTACTTCTGAATAGTACAACCCTCACCTCCGAGAATAAGCTGCTCAGCGCCG
AGCTCCTCCATGAGGAAGTCTCCAGATCCGGTCTTCTCCTCACCTGGGACCGAGCTCGAGAAGCTGAA
TAACGCTGAGGTGTTGTATGTTTTGATCGGATACTGAATAGTATAAAAAATGCTGAAGAACGAAGTCTCT
AGCCCTATAGGTAAGCTGCGGGTGCAGCCCGCGCAAACGATCCCGGGACTGATAAGACTATCAAGTATT
CCAAAAATCCAAAGTATTATCCAAAAAGTGCATAGTTTTACAAGGGAGAACAGCTTGCTCGCGAACTGCAG
GGCCGTGGTGGAACTGATTGATGATCTGTACCGGAACTTTATAGCTGGTTTCTGCACATTTCTGACATTT
GAAGATATTCAATTTCCGGGGGATACCTTTCTCGACCGCTGCTGAAGATGGACTACTGTTTCACATATT
ATCCTAGCTCTAATAGGCACCTGATAGACTCTTTGAAAAAATTTGGACAATCAGACTCCACCGACAT
CGATAAGTTCTTCGACTAGCGGAAATAGCCCGAGCTGCTCTACCAGAAAACCTTTAGCCTGAAGATT
TTTAGCAAAAATCTCACGGCACAGGACAATGGCCTGTACATCTATCCGCTGTTGAAAACCGATCTGAGCA
TTCTGGATTTTCTCGGGACCGAAAACATCTTTTCCATAGAGGACTGATATATCATCCTGCATCAGAA
AACGATCCCGCAAGAACGGGAGAACGATCTGAATAAGATCAATCAATTTCTCGCAACGGTAAATCCAAACA
GTCATTGAGACTCGCAGTCTTGTCTGCCTGCAAGCCTGTCCAGGCTGCTGGACTATCTTTCACTTCA



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ATCGGATTGGACTCAACATCGAAACATGCAGGATTTACGTGGAGATACTGTCAAACCATATGGCCACCCC
 CGACACAGCCAATCATTAAACACCTTCACTATAAATCTTATCCACATCGTATTTACCGCGCATGTGTTCT
 TTCATTTGTATGGAGAATTCTCTCCCACCTTCTGTTTTACAACAGGAAGAAATGATTCTGGAACAGC
 AGCGCGCCATCTTGATCATTGAACGAAACGAGTATTCAACTCTCTGGAAGCAGATTTCTGATCACATCGA
 CTGCTTGTTCATATCTCTCTCAGCGAAAGTTCTTCAAGGAATACACTAAAGGAGGCAACGAAGAACAC
 AAACAGTTCTGTATAAGAATCTGTTTGAGAAATGGGGTGATGTGTTTTCCCTTTTACGTATAGTGTGA
 CCACCTCAAAAAATTCTACAGCACATCATACGACCCCTGGAGCTGCGGGCTATATGCAAGGAGGTTTA
 TCAGTCTGACTACCTGAAGCGTATGAATCTCTTTTCCATACTCTACCCATCCCGCATTCAAGACTCTG
 TTTATTAAGATTTATGTCATACCCATGGTTACCTATATTAATACTGACATTGACAAAACCTCAATCTG
 ATTATAGGCTCATTACTCTGATCCATGCTTGTAAAGCTGCTGTTGCCCTCTCAGCACCTGCTCCTTCACTA
 TATGGTGTGGTTGTACGCATTTAGCATTAAACGTGACCACATAGATCTCGGAACGTTACAGTCATCAA
 TCTGTGATCTTTAAGATCGCGGACCATAAAACGTGATGACTCACACAATTTATTCTCCCGAGACTAATC
 TCCTCGTCTCTATTCTTGAATGCCTACACTGACTACCTCCAGAAATACGTAATCCGTGGATCAAACA
 GACGATCACAGCTAACTTCTCACTCCTCAGACTTACATTACCTTACCAAGCAGTGCCTCTATCTTG
 GCAACCAAGTGAATATCAATCTGGACAATTTGTTTATCTCAATGACAATCGGAAGTACAAGATTGTTA
 CAACATCTTTCTGAGCTTCATAGCAACATGTCGAAACCTGGTGAGACAGCACGAGGAATCAAGAAGAG
 TCTTAAGACCATTGAAACCAGTAAGACCACTCTACCAACATGCTGCTTAAATATTATAAACAAGCGTGCA
 TCATCCAAGGAGCTGTTGACAAACGAGGCGCTTCAAAGTTTCAATTGACACCGTCCAGAGGATCTCACAGC
 ACGTTAACGAGACTTACCAGCTGATTAGTGTGAACCTGGAGAAATGTAAGATTTCAAACGATATCTTGAT
 TGAAAGTCTGAAGAAAATTTTCAATTGTGCGAGTGTGCTCCTCCGATGCCATCCTTAATACCAGTCTG
 ACTTACGCTGCTTGAAGCCGCTACCTTGTGTGTCAAACAATCATTACGATTCTCGAGATTAAGA
 AGGACGCACTGCGCGTCTTCAAACATTTATCACCCAGCTTTTCAAAGCATGAAACCAACAACAAGCTT
 GTACAAAAAGCTGATGGCCACCCAGAAATGACAACCCAGCCGATCCCTTTCTTGACATTTTTCGACGAT
 AGGTACAACCTGGTCAGGCACGTGGAGGCGAGCTGAACCTGGTATGCTGCTTATGCTGAGGCAGCCCAAC
 AGGATCTGATTGCCCCACTTACTTTT

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC101471 representing NP_050211
 Red=Cloning sites Green=Tags

MTHDNRQLLPQETKLVTPNKDTLSSRYLHVLIIDNTLSTIEFVYVMVAVLQADTLKAFEQRKNRPTNR
 ILGLSTSVSKRYINIPKFSSSGANNSQGVKTLAAIRKFSLPDKNCFRNFLSFSTTLFKVPASIDIYFLFF
 TASTVSTMAARALDLEFILSSLKNSTSPESLLAATAKIEILSLAADSVTHNRVIAFINRPPKHYHFDLI
 REYTVFYFLNSTLTSENKLLSAELLHEELSQIRSSSSPGTELENLNNAEVLVYFDRILNSIKMLKNELS
 SPIGKLRVQPAANDPGDGTIKYSKIQSIQKVSFTRENLLANCRAVVELIDDLRKLKYSWFLHILTF
 EDIQFPGDTFLDRLLKMDYCFYYPSSNRHLIDLFEKTLDNQSTSDIDKFFDTSGNPELLYQKTFSLKI
 FSKNLTAQDNGLYIYPLLKTDLSILDFLGTENILFHRGLIYHILHQTIPQERENDLNKINQFFATVIQQ
 VIETRSSLPASLSRLLDIFHFNRIGLNIETCRIYVEILSNHMATPDTQPIINTFTINLIHIVFTAHV
 FICMENFSPTFLFYNRKKLILEQQRAILIERNEYSTLWKQISDHIDCLFNISLESFFKEYTKGNEEH
 KQFLYKNLFEKWGDVFFPFTYSVTTSKNSTAHHITTELRALCKEVYQSDSPEAYESLLPYSTHPAFKTL
 FIKIYVPMVYITNLTDFDKLQSDYRLITLIHACKLLPSQHLLHVMVLYAFSINVDHIDLGTFTVIK
 SVIFKIADHINVMTHTIYSPETNLLVSILLNAYTDYLQKYVNPWIKQITANFSLTQTYITFTKQCASIL
 ATKCNINLDNLFISMTIGTDKIVTTSFCSFIATCRNLVRQHEEFKSKLTIETSKTTLTNMLLNIIITSVS
 SSKELLTNEALQKFIDTVQRISQHVNETYQLISVNLEKCKISNDILIESLKKTISIVDVLSSDAIINTSL
 TSRCLEAATLAVSNNSFTILEIKKDAVAVFKPFIITQLFESMKPTTSLYKLMATQKLTTRIPFLDIFDD
 RYNLVRHVERQLNWAAYAEAQQDLIAPLTF

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NC_000898

ORF Size: 3246 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_050211](#)

RefSeq ORF: 3246 bp

Locus ID: 1497032

MW: 124.3 kDa