

Product datasheet for **VC101378**

U30 (NC_001664) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	U30 (NC_001664) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	U30
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 VC101378 represents NCBI reference of NP_042923 with codon optimized for human cell expression

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

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCGCACGAGCCCTGGATCTGGAGTTCATCCTGAGTTCACCTGAAAAATCAACCTCACCTGAGTCCC
TTCTGGCAGCCACTGCTAAAATCGAACTCTTGCTTGGCCGCCGATAGCGTAACTCACAATAGGGTTAT
AGCCTTTATTAACCGACTGACACCTAAGAAATACCACTTTGATTTGATCAGACAATATGCTGATTCTAT
TTCCTGAATTCACCACCCTTACCAGCGAGAATAAGCTGCTGAGTGCCGAACTCCTGTATGAGGAGCTGA
GCCAAATTCCTCCAGCAGCTCCTCAGGCACCGAGCTGGAGAACCTGAATAACGCTGAAGTGTGTACGT
TTTTGATAGAATACTCAATAGCATCAAGATGCTTAAAAACGAGCTCTCAAGCCCCATAGGCAAATTAGA
GCTCAGCCCGCTGCTAACGACCCCGCCACCGATAAGACTATTAAGTACTCAAGATTCAGTCCATAATCC
AGAAGATCAACAGTTTTACCCACGAGAATAGCCTCCTGGCTAACGTAGAGCCGTGGTAGAGTTGATTGA
TGACTTGTATAGAAAGCTTTATAGCTGGTTTCTGCATGTGCTGACATTTGAGGATATTCAGTCCCAAGT
GACACCTTCTGGATAGGCTGCTCAAGATGGATTACTGTTTTACATATTACCCGCTCTCAATAGACATC
TGATCGACCTGTTTGAGAAGACGTTGGATAACCAGACCTTACCAATTTGGATAAATTTCTTGATACCTC
TGGAAACTCCCCAGAGTTGCTGTATCAGAAGACATTCAGTCTCAAGATATTTTCAAAAAACCTGACCGCC
CAGGACAACGGATTGTACATCTATCCCCTGCTTAAAACTGACTTGTCAATCCTGGACTTTCTGGGCACAG
AGAATATCCTTTTTCATAGGGGACTGATTTACCACATCTGCACCAGAAGACTATCCACAAGAGCGGGA
GAACGACTTGAATAAGATTAACCAATTTTTGCAACAGTCATCCAGCAGGTCATTGAAACCAAAAGTTCT
TGCTGCCCGCCAGCCTGTCCAGCTCCTCGACACTATCTTCACTTTAATCGCATCGGACTTAATATGG
AGACCTGTAGGACTTACATCGAAATACTGTCCAACCACATGGCCACTCCTGATACCCAACCCATCATAAA
CACATTTACTATCAATCTGACCCACATAGTGTTCAACCGCACACGTCTTCTTTATTTGCATGGAGAATTT
AGCCCCACCTTCACTTTATAATAGAAAGAAATGATCCTCGAACAGCAAAGAGCTATTCTCATCATCG
AAAGGAACGATTACAGCACACTTGGAAACAAATCTCTGATCATATCGAGTGCCTCTTAAACGTAAGCCT
TTCAGAGAGCTTCTTCAAAGAGTACACCAAGGGTGGGAATGAGGATCAGAAACAGTTTCTCTATAAGAA
CTGTTTCGAGAAATGGGAAACGTCTTCTCCCATTCATTATAGCGTGTCCACTTCAAACAACCTACTG
CCCACCACATCACAACCTTGAACCTCCGCGATATCTGTAAGAGGTGTATCAGTCTGATTCCTGATGC
CTACGAGTCACTTCTCCCTATAGTACCCACCCGAGCTTAAAGACTGTTGCTCAAGATTTATGTGATC
CCTATGGTTTACACATACCAACCTCAGTTTTGACAAGTTGCAGTCCGACTGTCCGGTGTGCTGACTCTGA
TACATGCCTGCAAGCTGCTGCTGCTTCTCAGCACCTTCTGCTGCACTATATGGCTTGGCTTACGCATT
TTCAATAAATGTGGACCATATCGATCTCGGCACATTCACAGTGATCAAGTCCGTGATCTTCAAAATTTGCA
GATCACATCAATGTGATGACTCATACTATTTACTCTCCAGAGACAAAATCTGCTCGTGAGCATCCTGCTGA
ACGCTTATACGAACTACCTTCAAGTACGTGAACCCCTGGATCAAGCAGACCATCACAGCGAATTTTC
ACTCATTCAAACCTATATTACATTCACCAAACAGTGCCTTCCATCCTGGCAACAAGTGAACATTAAT
CTGGACAATCTGTTTATATACATCACAATTTGGACGGATAAGATTGTAACCACTTCATTTCTGCAGTTTTA
TCGCTACGTGCAGGAACCTGGTCCGACAGCAGGAGTTTGGAGAAGTCTGCAGACGATTGAGATTTT
AGAAATTAACACTGACAGGCATGCTGAGAAACATCATACAAGCGTCTCCTCCTCAAGGAACTGTTGACC
AACGAAGCATTGCAGAAATTCATCGACACGGTGCAGAGAATAAGCCAACCGTGAACGAGACGTATCATT
CTATCTCAGTCAATCTGGAGAAATGTAAGACATCAAACGACATCCTCATTGAAAGTCTCAAAAAAATAT
CTACATTTGTGACGCTCCTGAGCTCCAATGCCATTCTTAATACAAGCTTGGCTAGTCGGTGTCTGGAGGCC
GCAAACCTGGCCGTATCTAATAACTCTTTTACAATTTTGGAAATTAAGAAAGACGCCGTGGCAGTCTTTA
AACCGTTTATTACCCAGCTTTTCGAGAGCATGAAACCCACGACCAGTCTGCACAAAAAATCATGTCTAC
CCAGAAACTGACCACTGACCACATACCTTTTTTGGACACATTTGACGATAGATATAATCTGGTAAGGCAC
GTCGAAAGGCAGCTTAATTGGTACGCTGCACACCGGAGGCAGCCAGCAGGATCTGATCACCCCTCTGA
AGTTT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >VC101378 representing NP_042923
 Red=Cloning sites Green=Tags

MAARALDEFILSSLKNSTSPESLLAATAKIELLSLAADSVTHNRVIAFINRLTPKKYHFDLIRQYAVFY
 FLNSTTLTSENKLLSAELLYEELSQIPSSSSSGTELENLNNAEVLVYVDRILNSIKMLKNELSSPIGKLR
 AQPAANDPGTDKTIKYSIQSIIQKINSFTHENSLLANCRRAVELIDDLYRKLYSWFLHVLTFFEDIQFPG
 DTFDLRLLKMDYCFYYPSSNRHLIDLFEKTLDNQTFNLDKFFDTSGNPELLYQKTFSLKIFSKNLTA
 QDNGLYIYPLLKTDLSILDFLGTENILFHRGLIYHILHQTIPQERENDLNKINQFFATVIQQVIEKSS
 CLPASLSQLLDTIFHFNRIGLNMETCRTYIEILSNHMATPDTQPIINTFTINLTHIVFTAHVFFICMENF
 SPTFIFYNRKKLILEQQRAILIERNDYSTLWKQISDHIECLFNVSLSEFFKEYTKGGNEDQKQFLYKN
 LFEKWGNVFFPFTYSVSTSNNSTAHHITTELRDICEVYQSDSPDAYESLLPYSTHPSFKTLFVKIYVI
 PMVSHITNLTDFKLQSDCRLLTLIHACKLLLPSQHLLHYMAWL YAFSINVHDIDLGTFTVIKSVIFKIA
 DHINVMTHTIYSPETNLLVSI LLNAYTNYLQKYVNPWIKQTITANFSLIQTYITFTKQCASILATKCNIN
 LDNLFYITIGTDKIVTTSFCFSFIATCRNLVRQHEEFKSLQTIQISEITLTGMLRNIITSVSSSKELLT
 NEALQKFIQVQRISQHVNETYHSISVNLEKCKTSDNIDILIESLKKIYIVDVLSSNAILNTSLASRCLEA
 ANLAVSNNSFTILEIKKDAVAVFKPFITQLFESMKPTTSLHKKLMSTQKLTDDHIFPLDTFDDRYNLVRH
 VERQLNWYAAHAEAAQQDLITPLKF

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NC_001664

ORF Size: 2805 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:	<ol style="list-style-type: none">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_001664.2 , NP_042923
RefSeq ORF:	2805 bp
Locus ID:	1487908
MW:	107.5 kDa