

Product datasheet for **VC101617**

U77 (NC_001716) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	U77 (NC_001716) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	U77
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>The Viral ORF clone VC101617 represents NCBI reference of YP_073817 with codon optimized for human cell expression

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

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCCTGTCTTCATTGTTCAACGGAAAAACGATACCAAATTTTGGCTGAACATGAGCAGTGGCGCTA
AGGTTGAGCTGATTGTGAAAAGGTTGCGGCCCTGGCAGATGCTTGTCTTGAACCCCTCTTCCAACCTGA
CTGTTCCGCAATATTCTGGACCCCGAGTTGGAATTCAATTCCAACCTTTGAGGAGATTCACAGCATCGGG
GACGAGGAATTCGCACAGCCCCTCCCTTCTGCCATTCGCGTGCTGTTGATAACAGGCACGGCCGGC
CCGAAAAACTTCTTCTATCCAGACACTGGCCGCTAACAGTGACTGTCTGATTACTGCTACAACCAGCAT
CGCAGCCAAAACCTGTCAGGGCTCTGAACAGAACCAAATCTGCCAGGTGAAGACGATATTTAAACT
TTCGGCTTCAACTCCAGTCACGTGAGTATGAATGAACGGATCAGCTGCAGCGTTACAACACTGGACAGTA
TTGAGATCAGCAGAAGCATGATCTGAGTACTTATTGGAACGTGATAGCTGATATCGCCGAAAGGGCTCT
CAACGCTGCCAACGGGAAAGCAAAGGTGATCCAGACCTCTGTGAGTCCAGTGTGATAGTATCGATGAG
GCCGGAGTTATTCTCCGGCATATTCTGCATACTGTGGTCTTCTTACTGTTTCTACAACGGCTCCACA
AGACCCAGCTGTACAAGAACAGAGTCAATCCTTGTATTGTGTGTTGGCAGCCCTACGCAGTCAGGTGC
ACTGATTTCTAGCTTTAATCCCTTGACACAAAATAAGGACGTAAGGAAAGGCTTTGATATTTGAGTGCT
CTTATATGCGATGATATCCTCAGTAACACTGCAAAATCAGTGAGAAATGGGTGATCTTCGTAACAACA
AACGGTGACCCGAGTGGAAATTCGGGGAGTTCCTGAAACATATAGAATTTGGTCTCCCTTGAAACCTGA
GCTTATCGAATATGTGGATCGATTTGTGCGCCCGCCACCTATACGCAACCCCAACATGAGATAGGG
TGACAAAACAAGACAATCTGTTACCTTCTGTATACTTATTATTGAAATAAGGCTTTGAAAGATTA
TAAGAACGAGATTTCTAACTTACCCTGGAATTAACCATGTTTAAACTAATTTGCATAGTTGAAT
ACCTATCCCAATTTGCTGATCAGGACCTGAGCAAGACTATTCAGATCGAGGAAATCGTGTGAGCAGC
GCTCCGTGGAGGAGACACTTATCACCTGTCTGAGCATATTAAGCACAGTTCAATTGGCGTTACCTC
CCGCACAAAGTCTTCTACAGTTGGCTTTCCGGGACTTACGAAAATTCGTGGAGCTTCTCAAAGCGAC
CTTTTCATCGAGAAAACAGCCTGTGAATACAGCGTGCATGCTTATTCTTTCTGACTGGACTGATGTACG
GTGGAATGTATTCTTTTGTCTGTCGGAATCACAAACAAGTGAAGTATGACAGAAATCCGCAAGATCAA
ACTGCCTAACATAGATTTCTGCAGACAATGACCGCAGAAGTCTCTTTGCAGACCTTTGACGAATCAGAT
GAGTACTACGACCTTACATTGCACCTACTGACGAAGAAATGCTGGCTAGCGATCCGTGCCAGATCCCT
TTTTCTGAAGTACAAGCAGCTTCTCTACCAACGTGCTGACTTTCGAAGAAATTTCTTACTTGTACAC
CGTGTTCAAAGAGATCTTATCTCAAGATTTGCGATTTTGCAACGACACTCAAAAGAAATGTTTGGAAAA
AGTAATCTGATTACTTATAACCGCAACAACGTTTCTAGCAAGAGGTGTGGTGAATCTGCTCCCACGTGA
AGAGTTTCTATGGCATGCTGACTTATGCGGTGCCCGCAACAACACTACACCTGGAGGATATACCTACGA
CAACGTCATTTTCTCGGTACGGATAAGATGCTGCCCCATCATTATAAGCGCGGATTGCCTAAAATC
GTCATCAAGGATGAGATGGGATTCATCTCCATTCTGGACAACAATGTGTCCAAGTTGACTGATAGTCA
ATGGGAATCTTTTACATCTGTACAACGATCGATTATGCTATTGTATCCAAAGTTGCCATGACCGTTAC
TAAAAGTCAGGGTCTGTCTATACAGCGGGTGGCTTGGATTTTGGGAACGATCCGAAGAACCTGAAACTG
AGTTCCATTTATGTGGGATGAGCCGGTGGTGCACCCCAACAACCTGATCATGAATCTGAATCCCTTGA
GACTGAATTACGAAAACGATAACATTATTGCTAGTCATATCGTTAAGCGCTGAAGAACAAGGACACCAT
GCTGATCTTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >VC101617 representing YP_073817
Red=Cloning sites Green=Tags

MSLSSLFNGKYDTKFLNMSSAAKVELIVEKVAALADACLETPLPTDWFRNILDPELEFNSNFEEIHSIG
DEEFAQPLPFLPFRVLLITGTAGAGKTSSIQTLAANSCLITATTSIAAQNLGLLNRTKSAQVKTIFKT
FGFNSSHVMNERISCSVTTLDSIADQQKHDLSYWNVIADIAERALNAANGKAKVIPDLCESSVIVIDE
AGVILRHILHTVFFYWFYNGLHKTQLYKNRVIPCIVCVGSPQTQSGALISSFNPLTQNKDVKKGFDILSA
LICDDILSNYCKISENWWIFVNNKRCITDVEFGEFLKHIEFGLPLKPELIEYVDRFVRPATYIRNPTNEIG
MTRLFLSHYEVKSYFKVLHEQVELTNKDNLFTFPVYFIIQNKAFEDYKNEISNFTLEIEPWFKTNLHRLN
TYSQFADQDLSKTIQIEEIVLDDGSVEETLITCHLKHIKHSSIGVTSRTKSSTVGFSGTYEKFVELLQSD
LFIKTAACEYSVHAYSFLTGLMYGGMYSFCLSEFTTSEVMTEIRKIKLPNIDFLQMTAEVSLQTFDESD
EYYDLHIAPTDEEMLASDPCDPFFLKYKQLPLTNVLTFFEEISYLYTVFKEIFISRFAILQRHSKEMFGK
SNLITYNRNNVSSKRCGEICSHVKSFYGMLTYAVPANNYTLEGTYDNVIFLGTDKMLPPIYKRGLPKI
VIKDEMGFISILDNNVSKLTDTVNGNSFHICTTIDYAIVSKVAMVTKSQGLSIQRVALDFGNDPKNLKL
SSIIYVGMSRVDPNNLIMNLNPLRLNYENDNIIASHIVKALKNKDMLIF

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:



ACCN: NC_001716

ORF Size: 2460 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_073817](#)

RefSeq ORF: 2460 bp

Locus ID: 3289535

MW: 92.9 kDa