

Product datasheet for **VC101516**

U77 (NC_000898) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	U77 (NC_000898) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	U77
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 VC101516 represents NCBI reference of NP_050256 with codon optimized for human cell expression

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

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGAGTATTAGTAGCCTTTTCGGAGGTCGGTACGACAATAAGTTCCTCTTGAACATGTCATCTGCCCAA
AGATAGAAGTATCGTCGACAAGGTGGCATCCCTGTCGAAAGACGGCTCGAAGGCCGGCTCCAGAGGA
CTGGTTTCGCACATCATGGACCCAGAGACAGAGTTCAATGGTGAATTCGCCGACGCCCTGTGCATTGGA
ATTGACGAATTCGCGCAACCCCTGCCCTTCTGCCTTTCAAAGCTCTGCTGGTCACTGGGACCGCAGGCG
CGGGGAAAACCACTCTATACAGACTCTGGCCGCAAATTTGGACTGCATAGTGACAGCTACCACCTCAAT
TGCGGCCCAGAATTGTCTGTGGTGTGAATAGATCCAAGTCCGCCAGGTGAAAACCATCTTCAAGACG
TTCGGGTTCAACTCAAGCCAGTGTCTATGTCTGAAAGGCAATCTACATAGCCAATGACGAGAGGTCCA
TCCAAATTC AACAGAAGCAGGACCTGAGTATATATTGGAATGTTATAAGTGACATCGCCGAGCGAGCCCT
TGGTGGCGTGGCATGCAAGACCAAAGAAGTCCAGATTTGTGCGAGTCAAGCGTGATAGTTATAGATGAA
GCAGGCGTGATACTCAGACACATTCTTCATACCGTCTGATTCTTTTATTGGTTTTACAATGCATTGTACA
AGACTCCTTTGTACGAGAACGGCATTGTTCTTGCATTGTGTGTAGGGAGTCCGACTCAGTCCAATGC
ACTCGTGACTTCTTTCAACCCACTTACACAGAATAAGGATGTCAAGCGGGCATTGACGCTCTGAGTGCA
CTGATCTGTGATGACGTGCTGTAAAGTATTGCGAAGTTGATAATAACTGGATAATCTTTGTCAATAACA
AGAGATGCGCAGATCACGCCCTTCGGGGACTTTCTGAAGCACATAGAATTCGGACTGCCACTTAAGCCCGA
ACTGATCGAATATGTTGATCAATTTGTGAAGCCCGCATCATACATTGCAACCCAATGAACGAGATTGAA
ACAACCCGGCTGTTTCTGTGCCACAACGAAGTTAAAACTACTTTAGGAGCCTCCACGAACAGTCCGAAG
TGACTAATCGGAATAACCTGTTTGTCTTTCCAGTATACTTTCTGATCAAGAATAAGACATTCGAAGACTA
TAAATCAGAAATCGTAACTTTAGCCTGGAATTTAGCCATGGTTCAAGGCAACATCCACCGGCTTAAC
ACTTACTCTCAATTCGCAGACCAGGATCTGTCTAAGACAGTTCAACTTGAAGAGATCGTGCTTGAGGATG
GGTCCGTGGAAGAAACCTTATCACATGTCATCTCAAGCACATTCGGAATAGTTCATTGGAGTGACATC
TAAGATAAAAGCCTCAACCGTCGGGTTTAGCGAACTTATGAAAAGTTCGTGGAGCTGCTGCAAAGCGAT
CTCTTTATTGAGAAGACCTCATGCGAGCAAACCATTCACGCTACAGTTTCTGAGCGGCTCATGTTTG
GCGGCATGTACAGCTTTTGTGTAGCGAGTTCACTACGCCGGAAGTGTGATGGAATAAAAAATATCAA
AATGCCATCCATCGAATTTCTCGAGTCCGAGATGTCCAGGATGAGTAGGGACGTACAACAGTGGAGACA
GATGAGCGGTATGACTTTGGCCTTGTGGATGATGGCCTGTCTGATATGGATCTCCTGGAGATCGATCCAT
GTGGCGATCCGTTTTTACTCGGTACTCTAAGTTGCCGCTCACTAACTCCCTTAGCTTCGAGGAAATTAG
CCTGCTGTACACCACCTCAAAGATATCTTCATCAGTCGCTTTGTATCCTGCAAAAACATACTAAGGGG
AAATTTGGAAAAACCTTCTGGTGACCTACAATCGCAATAACGTTTCCCGCAAACAGTGGCGGAAATCT
ATTCACATCTGAAGATTTTTACGGCATGTTGACATATGCCATCCCCGGAATAACTATACCCTTGAGGG
CTATACAAACGATAACGTGGTTCACCTGGGAACGGACAACAGCTCCCGCAGATTCTGTACAAGAAAGGT
CTGCCTCGCTTGGTTATCAAGGACGAAATGGGTTTTATTCAGTCTGGACAACAACGTGTCCAAATTTG
TAGACGTGGTGAATGGCAGTCTTCCACCTGTGCACGACAGTGGACTACGCCACCGTGTCTAAAGTGAG
TATGACCATCACTAAAAGCCAGGCTGAGTATCCAGAAAGTAGCTATTGACTTTGGTTCTGATCCAAAG
AATCTGAAGCTCTCCTCTATCTATGTGCGTATGTCAAGAGTACAGACCCAAATAATCTGATTATGAACG
TGAACCTCTCAGATTGAACTACGAGAACGACAATTTTATCGCCACATATTGTGAAAGCTCTCAAAA
CGAAAATACTATGCTCATCTTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >VC101516 representing NP_050256
Red=Cloning sites Green=Tags

MSISSLFGGRYDNKFLNMSSAPKIELIVDKVASLSERRLEGRLPEDWFRHIMDPETEFNGEFADALCIG
IDEFAQPLPFLPFKALLVTGTAGAGKTNISIQTLAANLDCIVTATTSLAAQNL SVVLNRSKSAQVKTIKFT
FGFNSSHVSMERQSYIANDERSIQIQKQDLSIYWNVISDIAERALGAVACKTKELPDLCESSVIVIDE
AGVILRHILHTVFFYWFYNALYKTPLYENGIVPCIVCVGSPQTQSNALVTSFNPLTQNKDVKRGIDVLSA
LICDDVLSKYCEVDNNWIFVNNKRCADHAFGDFLKHIEFGLPLKPELIEYVDQFVKPASYIRNPMNEIE
TTRLFLSHNEVKNYFRSLHEQVEVTNRNRLFVFPVYFLIKNKTFEDYKSEIGNFSLEIEPWFKSNHRLN
TYSQFADQDLSKTVQLEEIVLEDGSVEETLITCHLKHIRNSSIGVTSKIKASTVGFSGTYEKFVELLQSD
LFIKTSCEQTIHAYSFLSGLMFGGMYSFCCSEFTTPEVLMEIKNIKMPSEIFLESEMSRMSRDVQTVET
DERYDFGLVDDGLSDMDLLEIDPCGDPFFTRYSKLPLTNSLSFEEISLLYTTFKDIFISRFILQKHTKG
KFGKTLVVTYNNRNVSRKQCGEYSHLKSFGMLTYAIPANNYTLGYTNDNVVHLGTDKQLPQILYKKG
LPRLVIKDEMGFISVLDNNVSKFVDVVGQSFHLCTTVDYATVSKVSMITKSQGLSIQKVAIDFGSDPK
NLKLSIYVGMRSRVTPNLLIMNVNPLRLNYENDNFIAPHIVKALKNENTMLIF

TRTRRLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:



ACCN: NC_000898

ORF Size: 2472 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_050256](#)

RefSeq ORF: 2472 bp

Locus ID: 1497077

MW: 93.4 kDa