

Product datasheet for **VC101425**

U77 (NC_001664) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	U77 (NC_001664) 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 VC101425 represents NCBI reference of NP_042970 with codon optimized for human cell expression

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

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGTCCATTTCCAGCCTGTTCCGAGGACGGTATGACAATAAGTTTCTCCTCAATATGAGTTCGCGCCTA
AGATCGAGCTGATTGTTGATAAGGTTGCATCATTGTCCGAACGGAGGCTGGAGGGGAGACTGCCTGAGGA
CTGGTTTAGACACATTATGGACCCAGAAACCGAGTTTAACTCCGAGTTTGCTGATGCCCTGTGCATCGGC
ATAGACGAATTCGCCAGCCCCTGCCCTTCTCCCTTCAAAGCCCTGCTGGTGACAGGCACAGCCGGTG
CAGGTAAGACAAATTCTATTCAAACCTGGCCGCAAACCTCGACTGTATCGTCACTGCAACAACCTAGTAT
AGCAGCCCAGAATCTGAGCGTAGTGCTGAATCGGTCCAAGTCTGCCAGGTCAAACCTATTTTCAAACCC
TTTGGCTTCAATTCTAGTCACGTTTCCATGTCAGAGAGACAGTCTTACATTGCTAATGATGAGCGATCCA
TCCAAATCCAACAGAAGCAGGATCTGTCCATCTACTGGAACGTAATAAGCGACATTGCAGACCGAGCTCT
GGGCGCTGTGGCCTGTAAGACGAAAGAGCTCCAGACCTTTGCGAGTCCCTCGTCACTGTTATAGATGAA
GCTGGCGTAATTCTCAGGCATATACTTACACCCGTGGTGTTTTTTACTGGTTCTACAATGCCCTCTACA
AGACACCCCTGTACGAAGACGGGATAGTGCCGTGCATTGTCTGTGTCGGTTCTCCAACCCAGAGCAACGC
CTTGGTGACCTCATTTAATCCTCTTACCCAAAACAAGGATGTCAAGCGGGGAATCGACGCTCTGAGCGCA
CTCATCTGCGACGATGCTCTGCAAGTACTGTGAGGTAGACAACAACCTGGATTATTTTCGTTAATAATA
AGCGCTGCGCTGACCACGCCCTTCGGAGATTTCTGAAGCACATCGAGTTTGGACTGCCGCTGAAACCAGA
GCTTATTGAATATGTTGATCAATTCTGTGAAACCAGCATCTACATCAGGAACCCAATGAATGAGATTGAA
ACTACAGGCTCTTTCTCAGTCATAATGAAGTAAAACTACTCAGGTCCTTTCATGAACAGGTGGAGG
TGACTAATCGAAACAATCTGTTTCGTTTTCCCGTGTATTTTCTCATAAAGAACAAGACTTTTGAGGATTA
TAAAAGCGAGATAGGGAATTTACGCTGGAATTTGAGCCATGGTTTAAATCTAATATCCATAGACTGAAC
ACATACTCCAGTTTCGCTGACCAGGATTTGAGCAAAACAGTCCAGTTGGAGGAAATAGTCTTTGAGGATG
GCTCTGTGCGAGGAAACACTGATCACTTGCCACTTGAAACATATACGCAACAGCTCCATTGGAGTGACTAG
CAAGATCAAAGCCTCACTGTGCGCTTCTCTGAACTTACGAAAAGTTTGTGAACTGCTCCAGTCAGAT
CTCTTTATAGAGAAGACCTTTGTGACCAAACTATCCACGCTTACTCATTCTGTGAGGCTGATGTTTG
GGGCGATGATAGCTTCTGCTGTTCAAATTTACAACACCGGAGGTAAGTATGAGATTAAGAATATCAA
GATGCCATCAATTGAATTCCTCGAATCCGAGATGTCTAGGATGTACCTGATGTGCAGACAGTGGAGACT
GACGAAAAGGTACGATTTTGGACTGGTCAATGATGGCCTGAGTGACGTCGACCTGCTTGAATCGATCCAT
GCGGGGACCCGTTTTTACCCGGTATTCAAAGCTGCCCTGACAAACTCACTGTCCTTTGAAGAGATTAG
CCTGCTCTACACCACCTTCAAAGACATTTTCATTAGTCGCTTTGCAACTGCAAAGCACACAAAAGGC
AAATTCGGAAGACGTTGCTGGTGACATACAATAGAAATAACGTGAGTCGGAAGCAGTGTGGCGAGATCT
ATAGCCATCTTAAAAGCTTTTATGGTATGCTGACTTACGCCATTTCCCGCTAACTACACTCGAAGG
GTATACCAATGACAACGTAGTCCACCTGGGCACAGATAAGCAGCTGCCACAAATCCTGTACAAGAAAGGG
CTGCCTCGCTGGTGATCAAAGACGAGATGGGGTTCATCTCTGTGCTGGACAACAATGTGTCCAAGTTTA
TAGACGTCGTGAATGGCAGTCATTTCACTTGTGCACCACCGTGGATTATGCTACCGTCAGCAAGGTGC
AATGACGATAACCAAGTCCCAGGCTGAGCATCCAAAAGGTCCGATAGACTTTGGCAGCAGCCCAAG
AATTTGAAGCTGTCAATCTACGTGGGTATGTCCAGGTGACAGACCCGAATAATCTCATCATGAATG
TAAATCTCTGCGACTCAATTATGAGAATGATAATTTTCATAGCCACACATTGTGAAAGCCCTTAAAAA
TGAGAACCACATGCTGATCTTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >VC101425 representing NP_042970
Red=Cloning sites Green=Tags

MSISSLFGGRYDNKFLNMSSAPKIELIVDKVASLSERRLEGRLPEDWFRHIMDPETEFNSEFADALCIG
IDEFAQPLPFLPFKALLVTGTAGAGKTNISIQTLAANLDCIVTATTSIAAQNL SVVLNRSKSAQVKTIKFT
FGFNSSHVSMERQSYIANDERSIQIQKQDLSIYWNVISDIADRALGAVACKTKELPDLCESVIVIDE
AGVILRHILHTVFFYWFYNALYKTPLYEDGIVPCIVCVGSPQTQSNALVTSFNPLTQNKDVKRGIDVLSA
LICDDVLSKYCEVDNNWIFVNNKRCADHAFGDFLKHIEFGLPLKPELIEYVDQFVKPASYIRNPMNEIE
TTRLFLSHNEVKNYFRSLHEQVEVTNRNRLFVFPVYFLIKNKTFEDYKSEIGNFSLEIEPWFKSNHRLN
TYSQFADQDLSKTVQLEEIVLEDGSVEETLITCHLKHIRNSSIGVTSKIKASTVGFSGTYEKFVELLQSD
LFIKTSQDQTIHAYSFLSGLMFGGMYSFCCSKFTTPEVLMEIKNIKMPSIEFLESEMSRMPDVQTVET
DERYDFGLVNDGLSDVDLLEIDPCGDPFFTRYSKLPLTNSL SFEEISLLYTTFKDIFISRFAILQKHTKG
KFGKTLTVTYNRNNVSRKQCGE IYSHLKS FYGMLTYAIPANNYTL EGYTNDNVVHLGTDKQLPQILYKKG
LPRLVIKDEMGFISVLDNNVSKFIDVVNGQSFHLCTTVDYATVSKVSMTITKSQGLSIQKVAIDFGSDPK
NLKLSIYVGMRSRVTPNNLIMNVNPLRLNYENDNFIAPHIVKALKNENTMLIF

TRTRRLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:



ACCN: NC_001664

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_001664.2](#), [NP_042970](#)

RefSeq ORF: 2472 bp

Locus ID: 1487959

MW: 93.3 kDa