

Product datasheet for **VC101515**

U76 (NC_000898) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	U76 (NC_000898) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	U76
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 VC101515 represents NCBI reference of NP_050255 with codon optimized for human cell expression

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

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCATAGGGCAAGCGCCAACCTCTCCACTGAACTCCGTCAGCGGGAGTATGATGTGGCGGAATCAGTCTA
GCGGTCTGAAGACCGAGTAAGAGGCTCAGTGATAATGAGGCTACATTGAGCACCATCAATAGCATCTGGG
GGCCGAGGACATGCTTAGCAAGAACCTTCTAGTTACCTTCTCCTAATAACGAGGAAATGACATGATC
TATCCGAGTGAACAGATTATGACCTTTATCGAGATGCTTCACGGTCACAAGAATTTTTTAAAGGGTCAGA
CCATCCATAACGCATTGAGAGATTCTGCGGTTCTGAAAAACAGATCGCATATGGAGTCGCCAGGCACT
GCTGAATTCAGTCTCCATCCAGCAGATCCATGATGAGTGAAGAGACATGTGCGGTCCTTTCCATCCAC
AATAAGAAGTTGAGTTTTCAAGATTATTTTTAGTCTGGGCTCACGCCATCAAACAAGTGATCCTTGGCG
ACATCAGTAACATCATCAACTTTATACTGCAGTCCATCGACAACAGCCATTACAATCGATACGTAGACTG
GATCTGCACAGTGGGGATCGTACCATTATGCGAACCACCCACCGCTCCAAATCTGTACAATCTGCTG
CAGCAGGTGAGTAGTAACTGATTACAGACATAGTTTCGACACAAGCAGAATATCGTGACTCCAATTTCC
TGGGTCTGAGCAGTGTGATCATTCTGACTTCCATAATATAAAAACTTCCGGGACCGGAACAGCGAACA
GATCTCTGCTTCAAAAAATAAAGGCAATCGCCTTTTTTACCTACTCTACCCCTACGTGATCCGCAAT
CGACTCATGCTGACTACCCCTGGTCTATCTGTCTCCAGAACTGAAGAAACATAACTACTGCGAAGGC
ACCAGAAAATGTGCCAGCTGTGAACACCTTCCAAATTAAGGTGCTGACTGCCGCAAGACCGACGTAC
CAACAAAAAGATCATGGACATGATCGAGAAGGAGGAAAAGAACAGTGACGCCAAGAAGTCTCTGATCAA
TTCTCTGCTGAACCTTTCCGACTCCAAATCCAAATCGGTATCCGCGACTCTGTGAGGGCTTCATTGAG
AGATTACTCCAGCATTATCGACCAGAATAAGCTTATGCTTAATAGGGGGCAATTCGAAAAAGATCCGC
GATCGACACGGGGGAGCGGGACGTGAGGGACCTGTTCAAGAAACAGATAATCAAATGCATGGAAGAACAG
ATCCAAACTCAGATGGATGAGATCGAGACACTCAAGACCACCAACCAGATGTTTGAGAGGAAGATTAAG
ACCTGCACAGCCTGTTGGAGACTAATAATGATTGTGATAGATAAATCCGGATCTGGATCATGACCTGGA
AACTTGAGTCTCTCGCGCTTAAATATCGTACAGAGACTGCCCTTACGTGAGTGTCTATCGATGAC
ACCCGGTCCGTGGCAATAGCTTTTTAGTCTGATATATCCGACACCAATATGCTGACAAGCGGATCG
ATCAGCTCTGGGAAATGGAGTATATGAGGACATTTAGATTGCGCAAGAATGTGAATAATCAAGGGCAGGA
GGATCTATAACATACTAATTATAGTATCGAGCTGCTGATCGTGCCCTTTTTGAGGCGCCTTTTGAAT
ATATATAACCTGGAAGCATACCCGAAGAGTTTCTCTTCTTAGTCTGGAGAGATCTTGTGGCAATCT
ACGAGAGTTCAAAGATTAAGCACTACCTTCGCTTGGTGTATGTGAGAGAGCTCAATCAAATCTCCGAGGT
CTATAACCTGACTCAGACCCACCCGAGAATAACGAGCCAATCTTCGACAGTAACATTTTTAGTCCCAAC
CCCGAAAACGAAATCTCGAGAAAATCAAGAGGATTCGGAACCTGAGGAGGATCCAGCACCTGACAAGGC
CGAATTATCCCAAGGGCGATCAAGAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >VC101515 representing NP_050255
Red=Cloning sites Green=Tags

MHRASANSPLNSVSGSMWRNQSSGRPSKRLSDNEATLSTINSILGAEDMLSKNLLSYLPPNNEEIDMI
 YPSEQIMTFIEMLHGHNFFKGGQTIHNALRDSAVLKKQIAYGVAQALLNSVSIQQIHDEWKRHVRSFPFH
 NKKLSFQDYFSWAHAIAKQVILGDISNIINFILQSIDNSHYNRYVDWICTVGIVPFMRTTPTAPNLNLL
 QQVSSKLIHDIVRHKQNIIVTPILLGLSSVIIPDFHNIKIFRDRNSEQISCFKNKKAIAFFTYSTPYVIRN
 RLMLTTPLAHLSPELKKHNSLRHQKMCQLLNTFPKVL TAAKTDVTNKKIMDMIEKEEKNSDAKSLIK
 FLLNLSDSKSKIGIRDSVEGFIQEITPSIIDQNKMLNKGQFRKRS AIDTGERDVRDLFKKQIKICMEEQ
 IQTQMDEIETLKTNQMFERKIKDLHSLLETNNDCDRYNPDLDHLENLSLRALNIVQRLPFTSVSIDD
 TRSVANSFFSQYIPDTQYADKRIDQLWEMEYMRFRLRKNVNNQGEESITYSNYSIELLIVPFLRRLN
 IYNLESIPEEFLFLSLGEILLAIYESSKIKHYLRLLVYVRELNQISEVYNLTQTHPENNEPIFDSNIFSPN
 PENEILEKIKRIRNLRRIQHLTRPNYPKGDQD

TRRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NC_000898

ORF Size: 1986 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_050255](#)

RefSeq ORF: 1986 bp

Locus ID: 1497076

MW: 77.2 kDa