

Product datasheet for **VC101424**

U76 (NC_001664) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	U76 (NC_001664) 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 VC101424 represents NCBI reference of NP_042969 with codon optimized for human cell expression

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

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGATGTGGCGCAACCAGTCTAGCGGTAGACGCCCATCAAAGAGGCTGTCCGATAACGAGGCCACGCTGT
CCACAATAAACAGTATTCTCGGGGCAGAGGATATGCTGTCCAAGAATCTCCTCTCATATCTGCCTCCCAA
CAATGAAGAGATCGACATGATATATCCTAGTGAACAAATCATGACATTTATCGAGATGTTGCACGGGCAC
AAGAACTTCTTCAAGGGACAGACCATACACAATGCACTGAGAGACTCTGCTGTCCCAAGAAGCAGATCG
CGTACGGCGTCGCCAGGCCCTGCTTAACTCCGTTTCAATTCAGCAGATCCACGATGAGTGGAAAAGACA
CGTGCGCAGTTTCCCTTTCCATAACAAGAAGCTCAGTTTCCAGGACTATTTTTAGTGTGGGCTCACGCC
ATAAAACAGGTCATTCTGGGCGATATTAGCAACATAATCAATTTCCATACTCCAGTCCATTGACAACCTCTC
ACTATAACCGGTACGTAGATTGGATCTGCACTGTGGGAATTGTCCCTTCATGCGAACTACCCATACAGC
CCGAATCTCTACAATCTGCTTACGAGGTGTCCAGCAAATTTATACACGATATAGTCAGGCATAAACAG
AATATAGTCACCCAGTATTGCTGGGCCTGTCATCAGTATCATTCCCGACTTCCACAATATCAAGATAT
TTAGGGACAGGAACAGCGAACAGATCTCCTGTTTCAAAAACAAAAGGCAATTGCTTTTTTACATACAG
CACGCCTTACGTGATCAGGAACCGGTTGATGCTTACGACCCCTCTGGCCCATCTGTCTCCCGAATTGAAA
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AGCGTAGAGGGATTCATTCAAGAAATTAATCCGCTATTATTGATCAGAATAAGCTCATGTTGAATAGGG
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TACGTCGCTGTCTATCGACGATAACAAGAAGCGTCGCGAATTCCTTCTTTCTCAGTATATCCCTGATACG
CAATATGCAGATAAGCGCATTGACCAGCTGTGGAAATGGAATATATGCGGACCTTAGGTTGCGCAAGA
ATGTTAACAAACCAGGGACAGGAGAGATCACATACAGCAACTATAGCATCGAACTGTTGATCGTGCC
GTTCTGCGCAGGTTCTTGAACATATACAATCTTGAGTCCATCCCTGAAGAATTCCTGTTTCTCTCTCTT
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CAGCAATATTTTTTCTCCAACCTGAAAACGAGATTCTGGAGAAGATCAAGCGCATCCGCAACCTGAGG
CGGATCCAGCACTTGACGAGGCCAACTACCCAAAGGGGATCAGGAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >VC101424 representing NP_042969
Red=Cloning sites Green=Tags

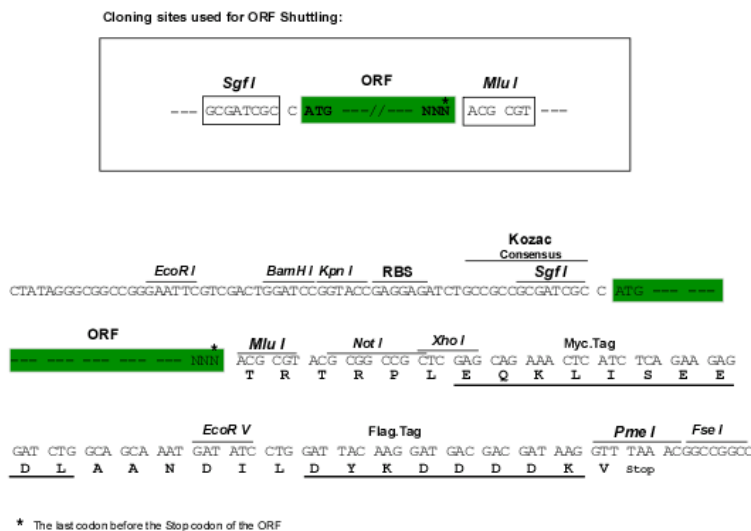
MMWRNQSSGRPSKRLSDNEATLSTINSILGAEDMLSKNLLSYLPPNNEIDMIYPSEQIMTFIEMLHGH
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 NIVTPVLLGLSSVIIPDFHNIKIFRDRNSEQISCFKNKKAIAFFTYSTPYVIRNRLMLTTPLAHLSPELK
 KHNSLRRHQKMCQLLNTFPPIKVLTTAKTDVTNKKIMDMIEKEEKSSDAKSLIKFLLNLSKSKIGIRD
 SVEGFIQEITPSIIDQNKLMLNRGQFRKRSAIDTGERDVRDLFKKQI IKCMEEQIQTMDEIETLKTNTQ
 MFERKIKDLHSLLETNNDCDRYNPNDHDLENLSLRALNIVQRLPFTSVSIDDTRSVANSFFSQYIPDT
 QYADKRIDQLWEMEYMRFRRLRKNVNNQGQESITYSNYSIELLIVPFLRRFLNIYNLESIPPEFLFLSL
 GEILLAIYESSKIKHYLRLLVYVRELNQISEVFNLQTHTPENSEPIFDSNIFSPNPENEILEKIKRIRNLR
 RIQHLTRPNYPKGDQD

TRTRRLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NC_001664

ORF Size: 1938 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_042969](#)

RefSeq ORF: 1938 bp

Locus ID: 1487958

MW: 75.6 kDa