

## Product datasheet for **VC101548**

### U4 (NC\_001716) Virus Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	U4 (NC_001716) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	U4
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 VC101548 represents NCBI reference of YP\_073748 with codon optimized for human cell expression  
 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGC**C

ATGGATCTGATCGACTACGATGTCTGCAAGGGACCGCTTAGAAATAGAATTACATATGTGATACCGAATC  
 ACCCTTACCTCTCCTGGACTGCCTTCAACAGCTGTGAGCTGGACGTTAATCTGAATGAAGTACCGAGGA  
 GATGATAGCCGATTACAGGCACCTTACCAGCGAGGATCTCTTCAAAGTACAGGCCTCAAGTTTTATGAT  
 GATTCCCTGCTGTGGCGGTATTGGTCGAGAAAAACAGCGTCTCATTTAAGAGAAGGGACAAGGCAACGA  
 TGACCCTGGATGGATTCTGGCATTCTGCAATCATTGCGGTTTGAAGAGTGTACTTCCCCTTCTATCG  
 AGTGTGACGAAAGCCACCGCCCTGGCACACTTACTATCGCGAATACTTCGTCGCGGGCGAAAAGAGG  
 GATACCCTGTCTTCTCATTTCAATCGCCTGATGGAGCTCTGGACAGCCTGTTCCCTTCAATTTTTATGC  
 TCGGAAATCGGTGCGACTCTAATCCTGCTGAGCTTGTTCGAGCTGCTGCCAACCCCAAGGAAATCGC  
 AGGCGAGGTAGTGGCGCCATCCAACCTGCTGCTCAAAAATTTTTTGGACGATAAAAATTTTTTTCAGTTTT  
 GTCATGAATTATCACTTTGTTGTGTCTAACCTCTGCAGTTGCGGAGAATGTCGCAAGGCCCTGTTTAGCA  
 GTTTCTCAAACGAGGGAGAGAGGGGTTCTCCACCTGTCAGATATTCAGGATTTTAGTCCCAGGATCT  
 CATTCTCCAGCAGTTGCATCTGACAAACGACGAAGCGCTTCGGGTGAGGAGTCCATCGACAAGGACCTG  
 GGAGCCGAGCTCATTTTGAAGCCATGGAGTCTAAGACTGCAATCCTGCATGATGAGATTCTTGGCA  
 ATCCCACCTGGAGCGCAACATCCTTAAGATTTACTGCAACATCATCCTTTGTCTGTTCTCGCAAGGAG  
 AGTGAGGAAAAGAATCTCTCGGGATCTCGATAAGATAGCAGCATTTTTGCTCAGTCTTGGTGTCTTGG  
 GAGATTAGAATCCTGCCTTTTGGGGTGTGAAAATGTATGCCGAAAACGGCCCTCTGGGCTCCCACT  
 TTAGTTCACATAACGTCATGCTATCCCAAGGCATTGTAGTGCCTTCTGGAGGTCGCCAGCATTCTGGT  
 CGCAAGCTACTCTAAGCAGAATCATAGGGTGCAGCCCTGCTGGAACATCTGTGCCAGAAGAAAGTGGCA  
 CTGACATGTAGCTGCTTCTGCTGCATCTCGCGCGGAGTTGAGACACGACATTCTGGAGGGGTTTACAA  
 ACCCACTTAAGCTCCATTACATGGACAACCCTGTTGCTTCTTCCGATGCCAGGACTGTAATCTCTATGG  
 CACCCACCTCTGGAGTGGCTGTTCCCAACGTGGTGCACACGCCGTGAGGGGAGGGGTTCTTTCGAG  
 GTCCGAATTTTTGAACATCGGATGAGACAGAGACGGGTGACGCTGAGGAAGCGCCTCTTCAAGGAATCAC  
 AGCACCAGGTTTCACTATCAGACAAAGCCGCGAATCCCTAGACTGGCTTTTTGCCCTTCGCAAAGCC  
 CGTGCACAAGGATTAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>VC101548 representing YP\_073748  
 Red=Cloning sites Green=Tags

MDLIDYDVCKGPLRNRIYVIPNHPYLSWTFNSCELDVNLNELTEEMIADSGHLTSEDLFQTRGLKFYD  
 DSWLLWAVLVEKNSVSFKRRDKATMTLDGFLAFLQSLRFEECTSPFYRVLTKATALAHFTIAEYFVAGEKR  
 DTLSSHFNRLMELLDLFLQFFMLRNRCDSNILLSLFFLLPNPKEIAGEVVAPSLLLLKNFLDDKIFFSF  
 VMNYHFVSNLCSGECRKFALFSRFLKRRERGVHLHLSDIQDFSPQDLILQQLHLTNDEALRVRESIDKDL  
 GAELILKAMESKTLPIHDEILGNLERNILKIYCNIIILCLFLARRVRERISRDLDKIARFFAQSFLVFL  
 EIRILPFEGVENVCRKLAVLGSFSSHNVMSIPRHCSAFLEVASILVASYSKQNHVRALLEHLCKQKVA  
 LTCSCFLLHLARELRHDILEGFTNPLKLHYMDNPVRFRCQDCNLYGTHLWSGLFPNVVPHAVRGGGSFE  
 VRIFEHRMRQRRVSVRKRLFKESQHRGFTIRQSRRIPLAFPCPFAPVHKDY

**TR**TRRLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

Cloning Scheme:



ACCN: NC\_001716

ORF Size: 1626 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\\_073748](#)

RefSeq ORF: 1626 bp

Locus ID: 3289466

MW: 63.0 kDa