

## Product datasheet for **VC101552**

### U12 (NC\_001716) Virus Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	U12 (NC_001716) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	U12
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC101552 represents NCBI reference of YP_073753 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGATACCTTGATTGATTTCCAGAAGATCCTTCATGATGAAGAGTATAAGTATAATTACACTTGTATCA  
CCCCAACAGTGCAGAAAGGCCAGCGCTGGAGTCTGTTATAAACGGCATTATGCTCACCTTGATCCTGCC  
TGTATCTACCGTTGTTATCTGCACCCTGCTTATTTACTATAAATGGACTAAGCAGACCATTACAGTCCA  
TACCTGATCACCTGTTTCATCAGTGACAGCTTGACAGCTTGACTGTGTTGCTGCTCACTCAACAGAG  
AGGCTCTGACCAATTTGAACCAGGCCCTGTGTCAGTGCCTGCTCTTCGTATACAGTGCCTCTTGTACCTA  
CTCATTGTGCATGCTGGCTGTGATTTCTACCATACGGTATAGAAGTCTTCAAAGAAGGACATTGAATGAC  
AAGAATAATAATCATATTAAGAGAAATGTAGGAATTCTGTTCTCATCCGCAATGTGCGCAATCCCTG  
CTGTGCTGTACGTGCAGGTGGAGAAAAAGAAAGGGAATTACGGGAAATGCAACATCCATATCTCCACCCA  
GAAGGCTTATGACCTGTTTATCGGAATCAAGATCGTCTACTGTTTCTTGTGGGCATCTTCCCCTGTG  
ATCTTCTTACTTCTACGTCAATTTTCGAAAGACCTCCGAGCTCTGACCCAGTCTAAACACAACAAAA  
CGCTGCTCTTATTTCTTGTGATTCTCAGCTTTCTTTGTATCCAGATTCCCAATCTCCTGGTAATGTC  
AGTGGAGATTTTTTTTGTACATTGCAAATACATCTTGCCTTGAACCATCCAGAGGGAGATCGTGCAG  
ATCATTAGTCGGTTGATGCCAGAGATCCATTGTCTGAGTAACCCACTGGTTTACGCCTTACCAGAACAG  
ACTTTAGGTTGAGATTCTATGATTTTCATCAAGTGAACCTGTGCAATAGTTCCCTCAAGCGCAAGAGAAA  
CCCCCTTACCATCAAGAAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >VC101552 representing YP\_073753  
Red=Cloning sites Green=Tags

MDTLIDFQKILHDEEYKYNITCITPTVRKAQRLESVINGIMLTLILPVSTVVICTLLIYYKWKQTITSP  
 YLITLFIISDSLHSLTVLLLTLNREALTNLNQALCQCVLVYVSASCTYSLCMLAVISTIRYRTLQRRLND  
 KNNNHKIRNVGILFLSSAMCAIPAVLYVQVEKKKGNYGKCNIIHISTQKAYDLFIGIKIVYCFWLGIFPTV  
 IFSYFYVIFGKTLRALTQSKHNKLSFISLLILSFLCIQIPNLLVMSVEIFFLYIANTSLGTIQREIVQ  
 IISRLMPEIHCLSNPLVYAFTRTDFRLRFYDFIKCNLCNSSLKRKRNPLTIKN

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NC\_001716

**ORF Size:** 999 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\\_073753](#)  
RefSeq ORF: 999 bp  
Locus ID: 3289471  
MW: 38.5 kDa