

## Product datasheet for **VC100103**

### fiber (AC\_000019) Virus Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	fiber (AC_000019) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	fiber
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC100103 represents NCBI reference of AP_000601 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGACTAAGAGAGTGAGATTGTCTGACTCTTTAATCCTGTTTATCCTTACGAAGATGAGTCTACCGTCC  
AACACCCCTTCATCAATCCCGGATTCATTTACCAAACGGATTTACCCAGAGCCCCGACGGGGTCTCAC  
ACTCAAATGCCTGACACCACTGACAACAACGGGAGGCTCTTTGCAGCTCAAAGTTGGCGGGGCTTGACA  
GTCGACGATACAGATGGGACCCGCAAGAAAACATCCGGGCAACGGCTCCCATCACGAAAAACAATCATA  
GGGTAGAGCTGAGCATCGGTAACGGTCTGGAAACCCAGAACAACAACTGTGTGCCAAACTGGGGAACGG  
CCTGAAGTTCAACAATGGTGACATCTGTATTAAGGATAGCATAAACACACTCTGGACTGGAATCAATCCC  
CCCCGAACTGCCAGATCGTGGAGAACAACAATAACGATGGAAAGCTGACCTTGGTCTGTGAAGA  
ATGGCGGTCTTGTAAACGGGTACGTGAGCCTTGTGGCGTGTCCGATACTGTTAACCAGATGTTTACACA  
AAAAACCGCTAATATCCAGCTGCGCCTGTACTTCGACAGCTCCGGGAATCTCCTTACCGAAGAGTCTGAT  
CTGAAAAATCCCGTGA AAAACAAGTCAAGCACAGCCACTAGTAAACTGTTGCGTCTAGTAAGGCGTTTA  
TGCCAAGTACCACTGCCTACCCATTTAACACAACGACCCGGGACTCTGAAAACATACCCACGGCATATG  
TTATTATATGACAAGCTACGATCGTCCCTTTTCCCTCTCAATATTAGCATTATGTTGAAGTCAAGGATG  
ATATCTTCTAACGTGGCCTACGCCATCCAGTTCGAATGGAACCTGAACGCTTCCGAAAGTCCAGAGAGCA  
ATATCGCGACATTGACCACATCTCCCTTTTTTCTCTTACATTACCGAGGACGATAAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >VC100103 representing AP\_000601  
Red=Cloning sites Green=Tags

MTKRVRLLSDSFNPVYPYEDESTSQHPFINPGFISPNGFTQSPDGVLTLKCLTPLTTTGGSLQLKVGGLT  
VDDTDGTLQENIRATAPITKNNHSVELSIGNLETQNNKLCAKLGNGLKFNNGDICIKDSINTLWTGINP  
PPNCQIVENTNTNDGKLLVVKNGGLVNGYVSLVGVSDTVNQMFQKTANIQLRLYFDSSGNLLTEESD  
LKIPLKNKSSSTATSETVASSKAFMPSTTAYPFNTTTRDSENYIHGICYMTSYDRSLFPLNISIMLNSRM  
ISSNVAYAIQFEWNLNASESPESNIATLTTSPFFFSYITEDDN

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



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

**ACCN:** AC\_000019

**ORF Size:** 969 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: AC\_000019.1, AP\_000601  
RefSeq ORF: 969 bp  
MW: 35.3 kDa