

## Product datasheet for **VC100051**

### **fiber (AC\_000007) Virus Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	fiber (AC_000007) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	fiber
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 VC100051 represents NCBI reference of AP\_000190 with codon optimized for human cell expression

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

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAAGCGGGCTCGGCCCTCCGAGGATACGTTCAATCCCGTGTACCCCTACGATACCGAGACAGGACCTC  
CTACTGTGCCCTTTCTTACACCACCTTCGTGAGTCCTAATGGGTTCCAAGAATCACCCCGGGGTGCT  
CTCTCTGCGGGTTAGCGAGCCCTGGATACCAGCCATGGAATGCTCGCACTCAAGATGGGGAGTGGTCTC  
ACTCTGGATAAGGCCGGGAACCTGACATCCCAGAATGTCACAACCGTAACCTCAGCCTCTGAAGAAGACTA  
AGTCTAATATCTCACTCGACACCAGCGCCCACTGACAATTACCTCTGGAGCACTGACAGTGGCCACAAC  
CGCTCCTCTGATAGTCACTAGCGGAGCACTCTCAGTGCAGTCCCAAGCACCTCTTACCGTCCAGGACTCC  
AAGCTGTCCATAGCTACCAAAGGCCTATTACAGTGTCCGACGGCAAGCTCGCCCTGCAGACTTCCGGCC  
CCCTGTCTGGCTCAGACTCTGACACCCTGACTGTGACCGCTCCCACCCTTGACTACTGCTACAGGCAG  
CCTCGGAATCAATATGGAAGATCCTATCTATGTTAAACAATGGAATAATCGGAATTAAGATCTCCGGCCCC  
TTGACGGTAGCCAGAATTCAGACACACTCACTGTGGTGCAGGTCGGGGCCTTACCGTCCGAGCAGAATA  
GCTTGGCGACTAAGTTCGCGGGTCAATTGGCTATGATAGCTCAAACAATATGGAATTAACACCGGAGG  
TGGGATGCGGATTAACAATAACCTGCTGATCCTGGATGTAGACTATCCCTTTGATGCACAGACTAAACTC  
CGACTGAAGCTGGGCCAGGGTCCACTGTACATAAATGCATCTCACAACCTCGACATTAATTACAACCGGG  
GATTGTACCTGTTCAATGCGAGCAACAATAAAAAAGCTCGAGGTCTCTATTAAGTCAATCCGGACT  
GAATTCGATAAATACCGCTATCGCTATCAACGCAGGCAAAAGGGCTTGAATTTGATACTAATACGAGCGAA  
TCAACCGATATCAACCTATCAAAACGAAGATCGGTTCCAGGCATCGATTACAACGAAAACGGCGCTATGA  
TTACTAAGCTCGGAGCCGACTGTCATTTGACAATAGCGGCGCCATTACGATTGGGAATAAGAATGACGA  
TAAACTACCCCTCTGGACCACCCAGACCCTCTCCTAACTGTAGGATACACTCAGATAACGACTGTAAG  
TTTACCCTGGTATTGACAAAGTGTGGCAGCCAGGTAAGTCAACCGTGGCCGCTTTGGCGGTCTCCGGGG  
ACTTGTCTTCAATGACTGGAACAGTGGCCTCCGTCTCCATCTTCTGCGATTGATCAGAAATGGGGTGT  
GATGGAGAATTCATCTCTGAAGAAGCATTATTGGAAGTCCGAAACGGAATTTCTACCAACGCCAATCCA  
TATACTAACGCAGTCGGGTTTCATGCCAACCTCTGGCTTACCCTAAAACACAGAGTCAGACAGCCAAGA  
ACAATATAGTCTCCAAGTATATTTGCATGGAGACAAGACGAAGCCAATGATCCTCACTATCACACTTAA  
TGGCACTAGCGAGACACAGAGACTTCCGAAGTAAAGCACCTACTCAATGTCATTTACCTGGTCTGGGAA  
AGCGGCAATAACACCACAGAGACCTTTGCCACGAACCTTATACTTTTTCTTATATCGCCAGGAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>VC100051 representing AP\_000190

Red=Cloning sites Green=Tags

MKRARPS EDTFNPVYPYDTETGPPTVPFLTPPFVSPNGFQESPPGVL SLRVSEPLDTS HGMLLALKMGSGL  
TLDKAGNLT SQNVTTVTQPLKKT SNISL DTSAPL TITSGAL TVATTA PLIVTSGAL SVQSQAPL TVQDS  
KLSIATKGPITVSDGKLALQTSAPLSGSDSDLTVTASPLTTATGSLGINMEDPIYVNNKIGIKISGP  
LQVAQNSDTLTVVTGPGVTVEQNSLRKTVAGAI GYDSSNMEIKTGGMRINNNLLILDVDYPFDAQTKL  
RLKLGQGPLYINASHNLDINYNRGLYLFNASNNTKKLEVISIKKSSGLNFDNTAIAINAGKLEFDNTSE  
SPDINPIKTKIGSGIDYNENGAMITKL GAGL SFDNSGAI TIGNKNDKLTWTT PDPSPNCRIHSDNDCK  
FTLVLT KCGSQVLATVAALAVSGDLSMTGTVASVSI FLRFDQNGVLMENSSLKHYWNFRNGNSTNANP  
YTNVAGFMPNLLAYPKTQSQTAKNNIVSQVYLHGDKTKPMILTITLNGTSESTETSEVSTYSMSFTWSWE  
SGKYTTETFATNSYTF SYIAQE

**TR**TRRLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** AC\_000007

**ORF Size:** 1746 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\\_000007.1](#), [AP\\_000190](#)

**RefSeq ORF:** 1746 bp

**UniProt ID:** [P03254](#)

**MW:** 61.9 kDa