

## Product datasheet for VC100175

### fiber (NC\_012959) Virus Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	fiber (NC_012959) 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 VC100175 represents NCBI reference of YP_003038626 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAGCAAGAGACTCCGGGTCGAGGACGACTTTAACCCAGTCTATCCCTACGGGTATGCCCGCAACCAGA  
ATATCCCTTTTCTACCCCGCCTTTCGTGTCATCCAATGGGTTTCAAATTTCCCCCTGGGGTCCTTTC  
CCTTAAACTGGCTAATCCCATCACCATAACAAACGGAAATGTCAGTCTTAAAGTAGGAGGCGGCCTGACC  
TTGCAGGAGGAAACCGCAAATGACTGTGAATACTGAACCACCTGTCAGTTGACGAACAATAAGCTCG  
GGATCGCGCTGGACGCACCCCTTTGATGTGATAGACAACAACTCACACTGCTCGCCGGACATGGACTTTC  
CATTATAACCAAGGAGACAAGCACCCCTGCCGGACTTGTAAACACATTGGTGGTCTGACTGGTAAAGGC  
ATTGGCACCGATAGCCACAACGGGGCAATATTTGCGTCAGAGTCGCAGAAGGAGGTGGACTCTCCTTTA  
ACGATAATGGAGACCTTGTGGCTTTTAATAAGAAGGAGGATAAGAGAACGCTTTGGACCACCCAGACAC  
AAGCCCTAACTGCAGAATAGATCAGGATAAAGATAGTAACTGACGCTTGTGCTTACGAAATGTGGATCA  
CAGATCTGGCCAATGTCTCCCTGATCGTAGTCGCCGGACGGTACAAAATCATCAATAACAACACTCAGC  
CTGCGCTTAAGGGTTTTACAATCAAACCTCTGTTGATAAAAACGGGGTGCTCATGGAGTCCAGCAATCT  
GTCCAAGATTTATGGAACCTTTAGGAATGAAAATTCTATTATGTCTACCGCTTACGAGAAAGCTATTGGC  
TTTATGCCAAATCTCGTCGCCTATCCCAAACCGACAACCTGGGTCAAAGAAATACGCACGAGATATTGTGT  
ATGGGAACATCTACCTGGGGGGGAGCCCCACCAACCCGCCACGATCAAGACCACGTTTAAATCAGGAAAC  
AGGCTGTGAATACTCCATTACATTTGATTTTAGTTGGCCAAAACCTACGTCAACGTCGAGTTCCGAGACA  
ACCAGCTTCACTTCTCTTACATCGCTCAGGAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >VC100175 representing YP\_003038626  
Red=Cloning sites Green=Tags

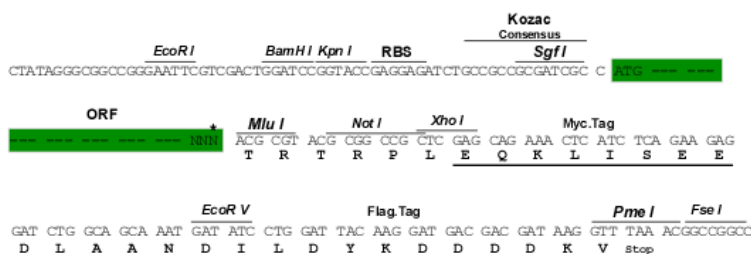
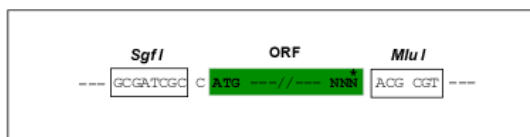
MSKRLRVEDDFNPVYPYGYARNQNIPFLTPPFVSSNGFQNFPPGVL SLKLANPITITNGNVSLKVGGLT  
 LQEETGKLTVNTPEPLQLTNNKLGIALDAPFDVIDNKL TLLAGHGLS IITKETSTLPGLVNTLVVLTKGK  
 IGTDSHNGGNICVRVAEGGGLSFNDNGDLVAFNKKEDKRTLWTPDTPSPNCRIDQDKSKLTLVLTKCGS  
 QILANVSLIVVAGRYKIINNNTQPALKGFTIKLLFDKNGVLMESSNLSKSYWVFRNENSIMSTAYEKAIG  
 FMPNLVAYPKPTTGSKKYARDIVYGNIYLGKPHQPATIKTTFNQETGCEYSITFDVSWAKTYVNVFET  
 TSFTFSYIAQE

TRTRRLEQKLI SEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



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

**ACCN:** NC\_012959

**ORF Size:** 1083 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\\_012959.1, YP\\_003038626](#)

**RefSeq ORF:** 1083 bp

**MW:** 39.5 kDa