

Product datasheet for **VC100030**

fiber (AC_000017) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	fiber (AC_000017) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	fiber
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>The Viral ORF clone VC100030 represents NCBI reference of AP_000527 with codon optimized for human cell expression

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

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGAAGCGCGGAGACCGAGCGAGGACACATTTAATCCCGTTTACCCATATGATACCGAGACGGGGCCAC
CAACAGTCCCATTCTGACACCTCCATTTGTCAGTCCAAACGGATTCCAGGAGTCCCCTCCTGGCGTATT
GTCCTGCGGCTGAGCGAACCTGTTACATCACATGGAATGTTGGCATTGAAAATGGGGTCTGGCCTG
GCACTCGATAAAGCAGGCAACTTGACGAGTCAGAACATTACCACTGTGACAGAACCTCTGAAGAAAATA
AGTCAAACATTTCACTCGAGACCAGCGCCCACTGACCGTAACCGAGCGCATTCTCACAGTTGCAACCGC
TGCACCCCTGGTTGTGGCAGTAATAGTCTGACAGTTCAGTCACAGGCTCCCCTGACAGTGCAGGACAGT
AAGCTCAGCATTGCGACCAAGGGTCCACTGACCGTCAGCGAGGGAAAACCGCACTGCAGACATCAGGAC
CCCTCTCCGCTACAGATAATAATACACTTACGATTACGACCAGTCCACCCATCACAACACAAACGGTTC
CCTGGGCGTGAATATGGAGAATCCTCTGTACAATAATAATGGTAAGTTGGGCCTCCGGGTGGCGGGTCT
CTGCAGGTGACTAATGATAGTCACGCATTGACAGTCCGGTACTGGGCAGGGGGTCCGCATCGACAACAACG
CTTTGCATACCAAAGTTACAGGGGCTATTGGTACGACACCAGCGGCAATATGGAGCTCAAGACCGGTGG
CGGAGTCCGCGTGGATTCTGTGAACCGACGGTTGATACTGGATGTAGACTATCCATTTGATGCCAGTCC
CAGCTGCGCCTGAAACTCGGCCAGGGGCCACTGTATGTGAATTCTAGTACTACAATCTCGACTTGAAAT
ACAACAAAGGCCCTCACCTTTTACGACGGGCAACTCCAAGAAGCTGGAGGTGAACCTTAAAACACGAA
AGGACTGATTTTTGATACCGATGCCGTGGCAATTCACGCTGCCAGGGCCTGGAATTTGGCAACGATACA
TCAACTAACACCAACCCCTGAAAACAACTAACTCGGGCTCGGTCTGACTACGACAGCAACGGCGGCATGA
TACCCAAGCTTGGGACCGCCTGAGTTTCGACACAACAGGAGCTATCACAGTTGGCAACAAGAGCGACGA
TAAACTGACTCTTTGGACCACCCCGGATCCCAGCCCTAATTGTCAAATACACTCTGAGAAAAGCGCTAAG
CTCACTTTGGTACTGACCAAATGCGGCAGTCAGGTGCTGGCTACCGTAAGTGTCTGGCAGTGCAGGGCA
GCCTGGCTCCAATCTCCGGAACAATTTCTCAGCCATATCATACTGCGGTTCAACGAACATGGTGTGCT
GATGAACCACTCTAGCCTCGACCCCAATACTGGAATTTCCGCAAGGGTGTCTGACAAACGCCACAGCC
TATACGAACGCGAGTGGGATTCATGCCAAATCTTAAAGCCTATCCAAGACCCAGACGCCGACGGCTAAAT
CTAACATAGTTAGCCAAGTATATCTGAACGGAGAGAAGGAAAAACCAATGACTCTTACCATTACCCTCAA
CGGGACAGACGAAAATCAAACACCCCTGCCTCTACCTACTCTATTTCTTTCTTGGTCATGGCCAAGT
AATCAAACCTATATTGGGCAGACATTCCGGACTAACTCTTATACTTTCAGTTATATTGCTCAGGAG

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC100030 representing AP_000527

Red=Cloning sites Green=Tags

MKRARPS EDTFNVPYYPDTETGPPTVPFLTPPFVSPNGFQESPPGVLSLRLSEPLVTSHGMLALKMGSGL
ALDKAGNLTSQNIITTVTEPLKTKSNISLETSAPLTVTSGILTVATAAPLVVAGNSLTVQSQAPLTVQDS
KLSIATKGPLTVSEGKLALQTSGPLSATDNNTLITTSPPITTTNGSLGVNENPLYNNGKLGRLVAGP
LQVTNDSHALTVGTGQGV AIDNNALHTKVGTGAIGYDTSNMELKTTGGVVRVDSVNRRLILDVDYPFDAQS
QLRLKLGQGPLYVNSSTHNLDLNYNKGLHLFTTGNSSKLEVNLTTKGLIFDTDVAIHAHQGLEFGNDT
STNTNPLKTKLGLGLDYDSNGGMIPKLTGLSFDTTGAI TVGNKSDDKLTWTPDPSPNCQIHSEKDAK
LTLVLT KCGSQVLATVSALAVRGLAPISGTISSAHIIILRFNEHGVL MNHSSLDPQYWNFRKGDLTNATA
YTNAVGFMPNLKAYPKTQSRTAKSNIVSQVYLNGEKEKPMTLITLNGTDENQTTTASTYSISFSWSWPS
NQTYIGQTFATNSYTF SYIAQE

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_000017

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_000017.1](#), [AP_000527](#)
RefSeq ORF: 1746 bp

MW: 61.8 kDa