

Product datasheet for VC100420

fiber (AC_000006) Virus Tagged ORF Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | fiber (AC_000006) 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 VC100420 represents NCBI reference of AP_000157 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s) |

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCTAACGACTCAGAGTCGAGGACGATTTAAACCCGTTTACCCTTATGGATATGCCAGGAACCAGA
ATATACCCTTTCTCACTCCCCCTTTGTCTCATCTGATGGGTTAAGAATTTCCCCCTGGCGTCCTTTC
CCTGAAACTGGCGGATCCTATCACCATTGCCAACGGAGATGTGTCCCTGAAGGTGGTGGCGGCTCACA
TTGCAGGAAGGCTCTATGACCGTAGATCCAAAAGCACCCCTGCAGCTGGCTAATAACAAAAGTTGGAAC
TGGTGTACGTTCGATCCATTTCGAGGTATCTGCAAATAAGCTCAGTCTTAAGGTGGGACATGGTCTCAAGAT
CCTGGACGATAAATCCGCAGGAGGTTGAAGGATCTGATTGGAAGCTTGTAGTACTGACTGAAAAGGGG
ATTGGGACAGAAAACCTTGCAAAATACGGATGGATCTTCTCGCGGAATCGGTATTTCTGTCCGCGCTCGAG
AGGGTCTTACCTTTGACAACGACGGCTATCTTGTGGCGTGAATCCTAAGTATGACACAAGAACCCTGTG
GACTACCCTGATACTTCTCCTAATTGCCGAATCGATAAAGAGAAGGACTCTAAGTTGACTCTCGTACTG
ACTAAGTGTGGTCCCAGATCCTGGCAAACGTGTCTCTGATTGTTGTAAGTGGCAAGTACCAGTACATTG
ACCACGCCCAAACCCGACTTTGAAGTCTTCAAGATCAAGCTTCTCTTCGATAACAAGGGCGTGTCTTCT
CCCCAGCAGTAACCTGGACTCTACGTACTGGAATTTTCGATCTGACAATCTTACCGTGAGTGAAGCCTAC
AAGAACGCTGTGGAATTCATGCCAACTTGGTGGCCTACCCCAAGCCGACTACCGGCTCTAAAAAGTACG
CGCGCGCATTGTGTATGAAATATCTACCTGGGAGGCCTGGCCTATCAGCCGGTGGTATTAAAGTGAC
GTTCAATGAAGAAGCGGATAGCGCCTACAGTATCACATTTCGAGTTCGTCTGGAACAAGGAGTACGCCAGA
GTTGAGTTCGAAACAACCTCTTTCACTTTTAGTTACATTGCCAGCAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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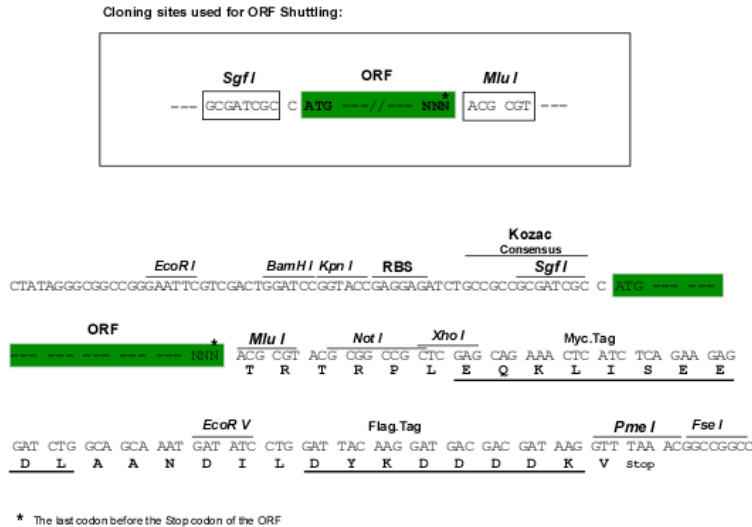
Protein Sequence: >VC100420 representing AP_000157
Red=Cloning sites Green=Tags

MSKRLRVEDDFNPVYPYGYARNQNIPLTPPFVSSDGFKNFPPGVL SLKLADPITIANGDVSLKVGGLT
 LQEGSMTVDPKAPLQLANNKLELVYVDPFEVSANKLSLKVGHGLKILDDKSAGGLKDLIGKLVVLTGKG
 IGTENLQNTDSSRGIGISVRAREGLTFDNDGYLVAWNPKYDTRTLWTTPTDTPNCRIDKEKSKLTLVL
 TKCGSQILANVSLIVVSGKYQYIDHATNPTLKSFKIKLLFDNKGVLLPSSNLDSTYWNFRSDNLTVSEAY
 KNAVEFMPNLVAYPKPTTGSKYARDIVYGNIIYLGGLAYQPVVIKYTFNEEADSAYSITFEFVWNKEYAR
 VEFETTSFTFSYIAQQ

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: AC_000006

ORF Size: 1098 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_000006.1](#), [AP_000157](#)

RefSeq ORF: 1098 bp

MW: 40.5 kDa