OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for VC100090

100K (AC_000019) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	100K (AC_000019) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	100K
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>The Viral ORF clone VC100090 represents NCBI reference of AP_000588 with codon optimized for human cell expression
Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGAAACTCAGCCCTTGTTGAGCACCAGCCCCCGGGTACCCTCACACCTGGTACTTAGCGATGAAGAAA
AGGAACAGTCTCTCTCAATCCCCCCACCCAGTCCCGCTACCACTTCTACTCTGGAGGACAAGGAAGTGGA
TGCCTCTCACGATATGCAGAATAAAAAAGCCAAAGAGTCAGAGACCGATATTGAACAGGACCCAGGATAC
GTAACCCCGGTGGAGCATGAGGAAGAGCTGAAAAGATTCCTGGAACGGGAGGACGAAAATTGTCCCAAAC
AGAGAGCCGATAACTACCACCAAGACGCTGGTAACAGAGATCAGAATACGGATTACTTGATCGGGCTGGA
TGGAGAAGACGCCCTCTTGAAACACCTGGCTAGGCAGTCTCTGATCGTTAAGGATGCCTTGCTTGACCGA
ACCGAAGTGCCGATTAGTGTTGAGGAGCTCTCCTGTGCCTACGAGCTGAATCTGTTTTCACCAAGGACAC
CCCCCAAGAGACAGCCCAATGGGACCTGCGAACCGAATCCCAGGCTCAACTTTTACCCCGCATTCGCTGT
TCCAGAGGTCCTCGCAACGTACCACATCTTTTTTAAAAATCAGAAGATCCCTGTGAGTTGTAGGGCTAAC
AGAACCCGCGCGGATGCTCTGCTTAATCTGGGTCCAGGGTCTAGGCTGCCGGATATTGCCTCTCTGGAGG
AGGTGCCTAAGATTTTTGAAGGTCTCGGTAATAACGAGACAAGAGCAGCTAATGCCTTGCAGAAGGGCGA
AAACGGCATGGATGAGCACCACAGTGTGCTGGTTGAACTGGAAGGAGACAACGCAAGACTGGCAGTGCTC
AAAAGGTCAGTAGAGGTCACACACTTCGCCTATCCTGCAGTCAATCTTCCTCCCAAGGTGATGACAGCCG
TCATGGACCAGTTGTTGATTAAGCGCGCATCACCACTCAGCGAAGATATGCATGATCCGGACGCCTGTGA
CGAAGGCAAGCCAGTCGTGAGCGATGAGCAGCTGACACGGTGGCTGGGAACCGATTCTCCACGCGACCTG
GAAGAACGGCGCAAACTCATGATGGCAGTAGTGCTTGTCACCGTGGAACTGGAGTGCCTGAGGCGATTTT
TCACCGACTCCGAGACCTTGCGCAAACTGGAAGAGAATCTTCACTACACCTTTAGACACGGATTTGTCCG
ACAGGCATGTAAGATCTCCAATGTGGAACTGACAAACCTGGTTTCATACATGGGTATTCTGCACGAAAAT
CGCTTGGGCCAGTCAGTACTCCATAGCACCCTGAAGGGGGAGGCACGGAGAGACTATATCCGCGATTGTG
TATATCTGTACCTCTGCCATACATGGCAGACTGGCATGGGTGTGTGGCAGCAATGTCTGGAAGAACAGAA
CCTCAAGGAACTTGACAAGCTGCTTCAGAAGAGCCTGAAGGTTCTCTGGACGGGATTTGATGAGCGAACT
GTGGCCTCTGACCTGGCTGATCTCATCTTCCCCGAAAGGCTCCGGGTGACCCTCCGCAATGGTCTGCCAG
ATTTTATGAGTCAGAGCATGCTGAATAACTTCCGGTCTTTTATCCTCGAACGCTCAGGTATACTGCCGGC
CACATGCTGCGCTTTGCCATCTGATTTTGTCCCCCTGACCTATCGGGAGTGCCCCCCCCCTCTGTGGTCC
CACTGTTATTTGTTCCGACTGGCTAACTACCTGTCCTATCACTCAGACGTAATTGAAGACGTGTCTGGCG
ATGGACTGCTGGAATGCCACTGTCGCTGTAATTTGTGCACTCCGCACCGGTCTCTCGCGTGCAACCCCCA
GCTCATGTCCGAGACACAGATTATTGGGACCTTCGAGCTCCAGGGGCCATCCTCCCAGGGGGACGGGTCC
AGCCCTGGGCAGTCCCTGAAGCTTACCCCCGGGCTGTGGACGTCTGCTTACTTGAGAAAATTTGCACCTG
AGGATTATCATCCATATGAGATAAAATTTTACGAAGATCAGTCACAGCCCCCGAAAGCAGAGTTGTCTGC
TTGCGTCATCACGCAAGGTGCCATCCTTGCTCAGCTCCAAGCGATTCAGAAGTCTCGCCAGGAGTTTCTG
TTGAAGAAGGGCAAAGGCGTCTACTTGGATCCACAGACTGGAGAGGAACTCAATACACGGTTTCCACAGG
ATGTGCCAACAACCCGGAAACAGGAGGTGGAGGGGGCTGCCGCCGCTCCCCGCAGGTATGGTGGCAGACT
TGGCCAAAGCGGGAGAGGAGGGGGAGGCGGGCAATCTGGAGGACAGTCTGGTGGACGACAATTTGGTGGA
GGCAAACGCGGCGGCCGGGGAGGTGGACGGTCTAATAGAAGACAGACGGTTATCTTGGGATGCGGAGATA
AACAACAGAGGTATCACTTGAGGTCCGAATCCAGAAACCCAGCGGCAAGCCAGCAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

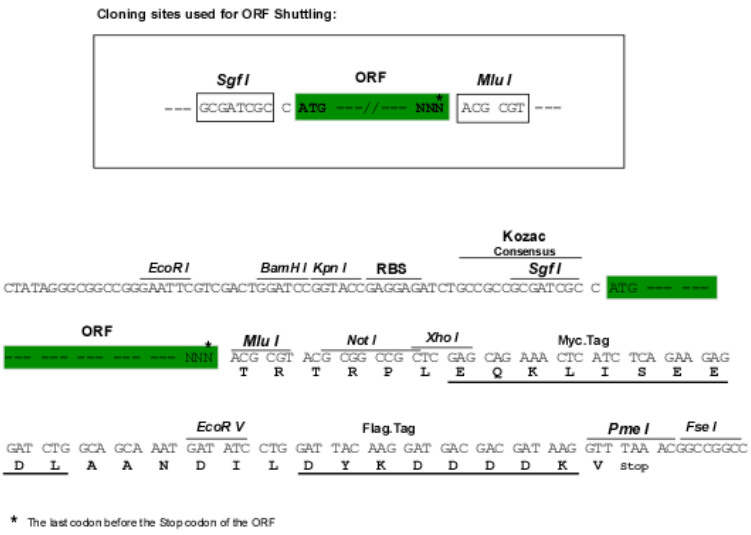
>VC100090 representing AP_000588
Red=Cloning sites Green=Tags

METQPLLSTSPRVPSHLVLSDEEKEQSLSIPPPSPATTSTLEDKEVDASHDMQNKKAKESETDIEQDPGY
VTPVEHEEELKRFLEREDENCPKQRADNYHQDAGNRDQNTDYLIGLDGEDALLKHLARQSLIVKDALLDR
TEVPISVEELSCAYELNLFSPRTPPKRQPNGTCEPNPRLNFYPAFAVPEVLATYHIFFKNQKIPVSCRAN
RTRADALLNLGPGSRLPDIASLEEVPKIFEGLGNNETRAANALQKGENGMDEHHSVLVELEGDNARLAVL
KRSVEVTHFAYPAVNLPPKVMTAVMDQLLIKRASPLSEDMHDPDACDEGKPVVSDEQLTRWLGTDSPRDL
EERRKLMMAVVLVTVELECLRRFFTDSETLRKLEENLHYTFRHGFVRQACKISNVELTNLVSYMGILHEN
RLGQSVLHSTLKGEARRDYIRDCVYLYLCHTWQTGMGVWQQCLEEQNLKELDKLLQKSLKVLWTGFDERT
VASDLADLIFPERLRVTLRNGLPDFMSQSMLNNFRSFILERSGILPATCCALPSDFVPLTYRECPPPLWS
HCYLFRLANYLSYHSDVIEDVSGDGLLECHCRCNLCTPHRSLACNPQLMSETQIIGTFELQGPSSQGDGS
SPGQSLKLTPGLWTSAYLRKFAPEDYHPYEIKFYEDQSQPPKAELSACVITQGAILAQLQAIQKSRQEFL
LKKGKGVYLDPQTGEELNTRFPQDVPTTRKQEVEGAAAAPRRYGGRLGQSGRGGGGGQSGGQSGGRQFGG
GKRGGRGGGRSNRRQTVILGCGDKQQRYHLRSESRNPAASQQ

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: AC_000019

ORF Size: 2436 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_000588
RefSeq ORF:	2436 bp
MW:	91.0 kDa