

## Product datasheet for **VC100226**

### 52K (AC\_000005) Virus Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	52K (AC_000005) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	52K
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC100226 represents NCBI reference of AP_000114 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCATCCTGTCCTTCGGCAAATGAGGCCTCAGCCACGAGCCACTACCGCATCTGCGGCCGTGGCATTGA  
GCGGATCTGGCGAACAGGAAGAGCCCCAGTGCCCTACTCTGGAGCTGGAGGAGGGCGAGGGTATCGCCCC  
GCTGGGTGCACATTCACCTGAAAGACATCCCCGCGTGCAGCTGGCCCGAGACTCTCGAGTGGCTTTCGTG  
CCTCGGCAAACATGTTTCGAGACAATTCTGGTGAGGAAGCAGAAGAAATGCGAGACTGTAGGTTCCGAG  
CCGGCCGGGAACCTCCGAAGAGGCTTCAATCGGGAGCGGCTGTTGCGGGAAGAAGATTTTGAGCCAGACGA  
ACACTCAGGGATAAGTTCTGCAAGAGCACACGTCAGCGCTGCTAATCTCGTCACAGCATATGAGCAAACC  
GTCACTGAGGAACGGAATTTTCAAAGAGCTTCAATAATCACGTCGGGACACTCATCGCCAGAGAGGAGG  
TCGCCATTGGGTTGATGCACCTCTGGGACTTTGTGGAAGCTTATGTGCATAATCCCGCTTCTAAGCCCT  
CACAGCCCAACTTTCCTCATTGTTTCAGCACTCCAGGGACAACGAGACTTTCAGAGATGCTATGCTCAAC  
ATTGCCGAACACAGGAAGATGGTTGCTCGACCTGATTAACATCCTTCAGTCAATTGTCGTACAAGAGA  
GGTCTCTCTTTGGCCGATAAGGTGGCGGCCATCAACTACTCCATGCTGCTCACTCGGGAAGTTCTACGC  
ACGGAATTTTACAAATCTCCTTACGTCCAATCGACAAAGAGGTGAAAATCGATAGCTTCTATATGAGA  
ATGGCCCTGAAGGTGCTGACGCTCAGCGACGATTTGGGCGTATACCGGAATGATAGAATTCACAAGCGCG  
TATCCGCTAGCCCGCGGGGAATTGAGCGATAAGGAGCTTATGCACAGTCTTCAGAGAGCCCTGACAGG  
TGCGGGCAGAGGATGAGTCAATTTTTGATATGGGAGCCGATCTTCGGTGGCAGCCTAGCGCCCGGCA  
TTGGAGGCTGCAGGAGTGGCGTCTGCCAGCTGACCGGTGATGATGACGACGAAGACCAATACGAAGAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >VC100226 representing AP\_000114  
Red=Cloning sites Green=Tags

MHPVLRQMRPQPRATTASAAVALSGSGEQEEPQCPTLEEEGEGIARLGAHSPERHPRVQLARDSRVAFV  
 PRQNMFRDNSGEEAEEMRDCRFRAGRELRGFNRERLLREEDFEPDEHSGISSARAHVSAANLVTAYEQT  
 VTEERNFQKSFNNHVRTLIAREEVAIGLMHLWDFVEAYVHNPASKPLTAQLFLIVQHSRDNETFRDAMLN  
 IAEPQGRWLLDLINILQSI VVQERSLSLADKVAAINYSMLSLGKFYARKIYKSPYVPIDKEVKIDSFYMR  
 MALKVLTLSDDLGVYRNDRIHKAVSARRRELSDKELMHSLQRALTGAGTEDESFFDMGADLRWQPSARA  
 LEAAGVASADVTGDDDDDEDQYED

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** AC\_000005

**ORF Size:** 1119 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\\_000005.1](#), [AP\\_000114](#)

**RefSeq ORF:** 1119 bp

**MW:** 42.3 kDa