

## Product datasheet for **VC100008**

### 52K (AC\_000017) Virus Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	52K (AC_000017) 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 VC100008 represents NCBI reference of AP_000505 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCATCCCGTGCTTAGGCAAATGCGGCCCCCCCGCAACAGAGGCAAGAACAGGAACAGAGACAAACCT  
GCAGGGCTCCGTCACCGTCTCCGACCGCTTCAGGAGGAGCCACAAGCGCCGACAGCGCCGAGCCGATGG  
AGATTATGAGCCCCCTCGGGGAGGGCTAGACATTATCTCGACCTGGAAGAGGGCGAAGGCTCGTAGA  
CTTGGAGCTCCAAGCCCCGAGCGCACCTCGCGTACAACCTGAAAAGAGATACTAGGGAAGCTACGTGC  
CTAGACAAAACCTGTTCGGGACAGGGAGGGTGAGGAACCCGAGGAAATGCGCGACCGAAAATTCATGC  
AGGACGAGAGCTGCGGCATGGCCTGAATCGCGAGAGACTCCTCCGGGAGGAGATTTGAACTGACGCT  
AGAACGGGCATCAGCCCAGCCAGAGCCCATGTGGCGGCAGCAGACCTTGTGACCGCCTATGAACAAACAG  
TGAATCAGGAAATCAACTCCAGAAGTCATTTAATAATCACGTTAGGACTCTGGTGGCCCGCAGGAGGT  
GGCCATTGGGTTGATGCACCTGTGGACTTTGTGTCAGCACTGGAACAGAACCCCACTCCAAACCCCTC  
ATGGCTCAATTGTTCTCATTGTGCAACATAGCAGAGACAACGAAGCATTTCGAGATGCTCTCCTGAACA  
TCGTAGAACCCGAAGGAGGTGGCTCCTGGACCTATTAATATTCTTCAGTCCATAGTCGTGCAGGAGAG  
ATCCCTGTCTCTGGCTGATAAGGTGCGCCCATCAACTATTCTATGCTGTCTCTCGGTAATTTTACGCT  
CGAAAGATTTATCACACCCCATACGTGCCGATTGACAAAGAGGTGAAGATCGAGGGATTTTACATGAGAA  
TGGCTTTGAAGGTATTGACCCTTAGCGACGATCTGGGCGTATACAGAAACGAGAGGATCCATAAGGCCGT  
GTCAGTGTCAAGACGCCGGAATTGTCTGACAGAGAGCTCATGCATTCCCTTCAGCGCGCACTCGCCGGC  
ACTGGCTCCGGAGATAGGGAAGCGGAATCATACTTCGATGCCGGTGTGACCTTCGGTGGGCTCCCTCAA  
GGAGAGCTCTGGAAGCTGCCGTTGACAGGCCGGATTGGCTGTGCTCCTGCAAGGGCCGCAACGTTGG  
TGGGGTTGAAGAGTACGACGAAGATGACGAGTATGAACCCGAGGATGGCGAATAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



**Protein Sequence:** >VC100008 representing AP\_000505  
 Red=Cloning sites Green=Tags

MHPVLRQMRPPPQQRQEQRQTCRAPSPSPTASGGATSAADAAADGDYEPPIRRRARHYLDLEEGLAR  
 LGAPSPERHPRVQLKRDTRAYVPRQNLFRDREGEEPEMRDRKFHAGRELRHGLNRERLLREDFEPDA  
 RTGISPARAHVAAADLVAYEQTVNQEINFQKSFNNHVRTLVAEEVAIGLMLHWDVFVSALEQNPNSKPL  
 MAQLFLIVQHSRDNEAFRDALLNIVEPEGRWLLDLINILQSIIVQERSLSLADKVAAINYSMLSLGKFYA  
 RKIYHTPYVPIDKEVKIEGFYMRMALKVLTLSDDLGVYRNERIHKAVSVSRRRELSDRELMHSLQRALAG  
 TSGSDREAESYFDAGADLRWAPSRRALEAAGAGPLAVAPARAGNVGGVEEYDEDEYEPEDGEY

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** AC\_000017

**ORF Size:** 1245 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\\_000505](#)

**RefSeq ORF:** 1245 bp

**MW:** 47.0 kDa