

## Product datasheet for **VC100037**

### 52K (AC\_000007) Virus Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	52K (AC_000007) 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 VC100037 represents NCBI reference of AP_000168 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCACCCTGTGCTGCGCCAAATGAGGCCTCTCCCCAGCAGCGGCAAGAGCAAGAACAAGGCAGACCT  
GTAGAGCACCATCACCCAGCCAAACAGCTTCCGGGGGAGCAACAAGCGCGGCAGATGCAGCCGCTGATGG  
CGACTATGAGCCACCTCGACGACGGGCTCGCCATTATCTCGACCTGGAGGAAGGAGGGGACTGGCACGG  
CTGGGGGACCTTCCCCAGAACGGCATCCACGGGTGCAGCTCAAGAGGGACACCCGGGAGGCTTACGTCC  
CTAGACAGAACCTCTTTTCGCGACCGAGAGGGGGAGGAACCAAGAGGAGATGCGGGACAGGAAATTCACGC  
AGGTAGGGAACCTGCGGCATGGCCTGAATAGGGAACGGTTGCTGCGAGAAGAAGACTTCGAGCCTGACGCC  
AGGACCGGATTTACCCGCCAGAGCCACGTTGCTGCTGCAGATCTGGTGACAGCTTACGAGCAGACAG  
TCAACCAGGAGATTAATTTTCAAAAATCCTTTAACAATCAGTCAGGACTCTGGTTGCACGCAAGAAGT  
GGCAATCGGACTCATGCATCTGTGGATTTCTGTGTCAGCACTCGAGCAAAACCAAAATCTAAGCCGCTC  
ATGGCTCAGCTGTTCTGATTGTGCAGCACTCCCGGATAATGAGGCCTCAGAGATGCTCTGCTGAATA  
TAGTTGAGCCGAAGGAAGATGGCTGCTGGACCTGATCAACATCTGCAGTCCATTGTGGTGACGAGGCG  
GAGCCTCTCCCTTGCCGACAAAGTTGCCGCGATCAACTATAGCATGCTGTCCCTGGGAAATCTATGCA  
CGGAAAATTTACCACACACCATACGTGCCATCGATAAGGAAGTCAAGATAGAGGGATTTTACATGCGCA  
TGGCCCTGAAAGTTCTGACGCTCTCTGATGACCTGGGCGTTTACAGAAACGAGCGGATCCATAAGGCAGT  
GAGTGTTCACGGCGCAGAGAGCTGTGAGATCGCGAGCTCATGCACAGCTTGAGAGAGCCCTGGCCGGC  
ACGGGCAGCGGGACAGAGAGGCCGAGAGCTATTTTGACGCTGGAGCAGATCTGAGATGGGCTCCTAGCC  
GACGAGCATTGGAGGCAGCAGGTGACGGCCCTGGTCTGGCTGTGCGACCAGCTAGAGCTGGCAACGTGGG  
AGGTGTGGAGGAGTATGATGAAGACGACGAATACGAGCCTGAAGATGGCAATAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



**Protein Sequence:** >VC100037 representing AP\_000168  
Red=Cloning sites Green=Tags

MHPVLRQMRPPPQQRQEQRQTCRAPSPSPTASGGATSAADAAADGDYEPPIRRRARHYLDLEEGLAR  
 LGAPSPERHPRVQLKRDTRAYVPRQNLFRDREGEEPEEMRDRKFHAGRELRHGLNRERLLREDFEPDA  
 RTGISPARAHVAAADLVAYEQTVNQEINFQKSFNNHVRTLVAEEVAIGLMHLWDFVSALEQNPNSKPL  
 MAQLFLIVQHSRDNEAFRDALLNIVEPEGRWLLDLINILQSIIVQERSLSLADKVAAINYSMLSLGKFYA  
 RKIYHTPYVPIDKEVKIEGFYMRMALKVLTLSDDLGVYRNERIHKAVSVSRRRELSDRELMHSLQRALAG  
 TSGSDREAESYFDAGADLRWAPSRRALEAAGAGPLAVAPARAGNVGGVEEYDEDEYEPEDGEY

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** AC\_000007

**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\\_000007.1](#), [AP\\_000168](#)

**RefSeq ORF:** 1245 bp

**UniProt ID:** [P03254](#)

**MW:** 47.0 kDa