

## Product datasheet for **VC100080**

### 52K (AC\_000019) Virus Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	52K (AC_000019) 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 VC100080 represents NCBI reference of AP_000578 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCATCCTGTGCTGAGACAGATGAGACCCAGCAACAGCCACCCTCACAGCAGCAACAACAACAGCCCC  
AAAAGGCAGTGCCCGCAACCACGGCGACCGCGCTGTGTCTGGCGCAGGCCAGCCAGCATATGATTTGGA  
CCTCGAGGAAGGAGAGGGACTGGCCAGACTCGGGGCTCCCTACCAGAAAGACACCCCGAGTGAACCTG  
AAAAGGATAGTCGCGAAGCATATGTACCTCAGCAGAATCTGTTTAGGGACCGATCTGGAGAGGAACCTG  
AGGAGATGCGGGCTAGTCGGTTCAACGCCGGCCGCAATTGAGGCACGGCCTCGACAGGCGAGGGTGCT  
GCGAGATGAGGACTTCGAGGTGGACGAAGTCACTGGGATCAGTCCCGCACGCGCTCATGTTGCTGCAGCT  
AATCTGGTTAGTGCATATGAGCAGACCGTCAAGGAGGAGCGAAATTTCCAGAAGAGTTTTAAACCATG  
TGCGCACTCTGATAGCAAGGGAGGAGTTACGCTGGCCTGATGCACCTTTGGACCTGATGGAAGCCAT  
CATCCAAAACCCACCTTAAGCCACTTACAGCCAGTTGTTTCTCGTCGTCAGCACTCCCGGATAAC  
GAGGCTTCCGCGAGGCGCTGCTGAACATCACGGAGCCCGAAGGAAGGTGGCTGTACGACCTGATCAATA  
TTCTGCAAAGTATAATCGTGCAGGAACGGAGTTTGGGTCTGGCCGAGAAGGTAGCCGCAATCAATTATTC  
CGTCTCTCACTGGGAAATACTACGCCGAAAATTTACAAGACCCCTTATGTCCCGATCGACAAAGAG  
GTCAAGATTGACGGATTCTACATGCGCATGACACTCAAAGTGCTCACACTCTCAGACGACCTGGGGTCT  
ATCGGAATGACCGGATGCATCGCGCGGTGAGTGCCAGCAGGAGACGCGAGCTCTCCGACCGCGAGCTTAT  
GCATTCCTGCAGAGAGCACTGACAGGAGCTGGGACGGAGGGTGAGAACTACTTCGATATGGGCGCCGAT  
CTCCAGTGGCAACCAAGCAGACGGGCTTGAGCGCAGCGACCGCTGGCTGTGAGCTCCCTTACATCGAGG  
AAGCCGACGAAGGTGAAGAGGAGGAGGAGAATATCTTGAGGAC

**ACGCGT**ACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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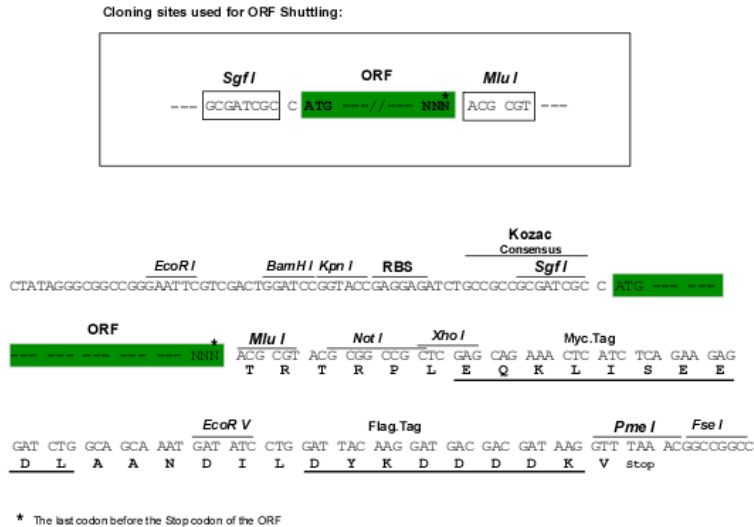
**Protein Sequence:** >VC100080 representing AP\_000578  
Red=Cloning sites Green=Tags

MHPVLRQMRPQQPPSSQQQQQPQKAVPATTATAAVSGAGQPAYDLLEEGLARLGAPSPERHPRVQL  
 KKDSREAYVPQQNLFDRSGEPEEMRASRFNAGRELRHGLDRRRVLRDEDFEVDVTGISPAAHVAAA  
 NLVSAYEQTVKEERNFQKSFNNHVRTLIAREEVTLGLMHLWDLMEAI IQNPTSKPLTAQLFLVVQHSDN  
 EAFREALLNITEPEGRWLYDLINILQSIIVQERSLGLAEKVAAINYSVLSLGKYYARKIYKTPYVPIDKE  
 VKIDGFYMRMTLKVLTLSDDLGVYRNDRMHRAVSASRRRELSDRELMHSLQRALTGAGTEGENYFDMGAD  
 LQWQPSRRALSAATAGCELPYIEEADEGEEEEGEYLED

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** AC\_000019

**ORF Size:** 1164 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\\_000578](#)

**RefSeq ORF:** 1164 bp

**MW:** 44.1 kDa