

## Product datasheet for **VC100237**

### 22K (AC\_000005) Virus Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	22K (AC_000005) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	22K
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC100237 represents NCBI reference of AP_000126 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**

ATGAGCCCCAAGGCTGCAAAACAAGCTATAGCACAGCAGAGGTCTAAGAAGCAGCAACAGCGCCAGGAAA  
TTTGGGAGGAGGAGTCTGGGAGTCACAGGCAGAGGACGAAGTAGAAGATCTCGAGGAGTGGGAGGAAGA  
AGAGGCAGACTCCCTTGACGAAGACCCCGAAGAGGAGGAAGAGGGGTCTAAGGACGGAGCTACAGCTGCC  
AAGCCATCCCTCAGTACCAAACCTCTCCGATGAAACCTGCCGTCTCAAGTCCCAGAAAGCTAACAGGA  
GATGGGATACTATCGAGACGAGTGCCGCCAACCTGGGCAAGAATCGCAAGCAGGCCCGCGGGGCTACTG  
CAGCTGGCGGGCACACAGTCTAATATCGTTGCCTGCTTTTCAGCATTGCGGGGAAATATCTCCTTTGCT  
AGAAGATACCTCCTGTATCACGACGGAGTCGCAATTCGCCGAACGTAAGTACTGCACTATTACCGGCACCTGT  
ATTCACCGTTTGAGGAAGTACGACAAAGAGCCTACCTGTAATTCTCAGGCTGCACAC

**ACGCGT**ACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:	>VC100237 representing AP_000126 Red=Cloning sites Green=Tags
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MSPKAAKQAIQQRSKKQQQRQEIWEEESWESQAEEVEDLEEWEEEEADSLDEDPEEEEEGSKDGATAA  
KPSLSTKPSMPKPAVSKSQKANRRWDTIETSAANLGNRQARRGYCSWRAHQSNIVACFQHCNGNISFA  
RRYLLYHDGVAIPRNLHYRHLVSPFEELDKEPTCNSQAAH

**TR**TRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:	Sgfl-MluI
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**Cloning Scheme:**


**ACCN:** AC\_000005

**ORF Size:** 546 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\\_000126](#)

**RefSeq ORF:** 546 bp

**MW:** 20.9 kDa