

## Product datasheet for **VC100671**

### 1D (NC\_009887) Virus Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	1D (NC_009887) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	1D
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC100671 represents NCBI reference of YP_001497166 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGGAGACACCGATCAACGAAATGGGCAGGTGGTGGACACCAAGGCTACAAATCCCACCAACAGCACAG  
CCGTTCCAGCACTCACAGCGGTAGAGACCGCCACACAAGTCAGGTGGTGCCCGGCATACAATACAGAC  
CCGACACGTGGTGAATTTCCATAGCCGGAGCGAGTCTAGCATCGAGAATTTATGGGCAGGTCAGCATGC  
GTATTCATGAAGACCTATAAGGCGATGGGCGAAGATACAGACACAAGCCGATTTGCCGCGTGGGACATCA  
ACATTCGCGAAATGGTGCAGTTGCGGAGGAAGTGCGAAATGTTCCACCTATCTGAGATTGATATTGAGGT  
TACATTCGTCATCACAAGCTGTCAGGACCAAGCACACAGCTGGATCAGGATATGCCAGTACTTACACAC  
CAAATTATGTATATTCCACCTGGCGGACCAATCCCGACAAAGTGAACAGTTACGCCTGGCAGACTAGCA  
CCAACCCATCCGTTTTTTGGACTGAAGGGAACGCACCCGCGAGAATGTCTATCCCGTTTCAATTCGTTGGG  
CAACGCCTACTCAACCTTCTACGACGGTGGTCTCACTTTTCTCAGAGCGGAGTTTACGGCTACACGACC  
CTGAACGCCATGGGGAAGCTGTATGTGCGACACGTCAACGAAAGTCACCAACTCAGATTACCTCCACCA  
TCCGGGTGACTTCAAACCTAAGCACGTGAAGGCGTGGGTCCCAAGACCACCAAGGCTCTGCCCTACCT  
GAGGAAAGCGTCTGTCAACTTCGACGTACCAACATAACTGAAGAAAGGACGACTATTAATAAAGTGCC  
ACTGAGGACCATTAGCTCTGAAGAATTAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >VC100671 representing YP\_001497166  
Red=Cloning sites Green=Tags

MGD TDQRNGQVVDTKATNPTNSTAVPALTAVETGHTSQVVPGDTIQTRHVNFHRSRSESSIIENFMGRSAC  
VFMKTYKAMGEDTDSRFAAWDINIREMVQLRRKCEMFTYLRFDIEVTFVITSCQDPSTQLDQDMPVLTH  
QIMYIPPGGPIPDKVNSYAWQTSTNPSVFWTEGNAPARMSIPFISVGNAYSTFYDGSWHSFSQSGVYGYTT  
LNAMGKLYVRHVNAKSPQTITSTIRVYFKPKHVKAWVPRPPRLCPYLKASVNFVDVTNITEERTTINKVP  
TEDHSALKNY

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NC\_009887

**ORF Size:** 870 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: [NC\\_009887.1](#), [YP\\_001497166](#)  
RefSeq ORF: 870 bp  
MW: 32.7 kDa