

## Product datasheet for **VC101028**

### Capsid triplex subunit 1 (NC\_009334) Virus Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Capsid triplex subunit 1 (NC_009334) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Capsid triplex subunit 1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC101028 represents NCBI reference of YP_001129451 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAAAGTGAAGGTTCACTGGATCGGCGCCGGCTGCAAAGAAGGATTGCTGGGCTCTCCACCCCGG  
CAAGACGGCTGAATATCTCACGGGGAGCGAATTTACGCGCATGTGAGAGGCCTGGTTGAAGAGCATGC  
ACAGGCCAGCAGCCTGAGCGCCGCTGCAGTTTGGAGAGCCGGTTGTTGGCTCCCGGCGAAGTGGCTGTC  
GCCGGAGGAGGTCAGGCGGAGGTCATTCTCATGGTCTGGGTGGCGACCACCTGTGTTGGCGACTTCC  
TCATACAGCCAGCTCTTTAATAATGCGGAGGCTACTGGAACACCCCTGTTTCAGTTCAAACAGTCTGA  
TCCTTTCAGCGGCGTGGACGCACTGTTACCCCACTTTCCCTCTTTATCTTGATGAACCACGACGGGGA  
GTCGCTGCAAGAGTTGAAGCCGGCGGAGGTCCTACTCGGATGGCCAACCTGCTTTACGATAGTCCTGCTA  
CTCTGGCAGACCTTGTTCTGACTTCGGGAGACTGGTAGCAGATCGCAGGTTTCAATTTTATCACCCC  
GGTGGGACCCCTCGTTGAGAATCAAGTCCACTTATCTCAACAAGATTACGACCGTGGTTCACGGACCT  
GTGGTTTCAAAGCTATCCCTCGCTCTACTGTGAAGGTTACCGTACCTCAGGAGGCGTTTGTGGACTTGG  
ATGCTTGGCTGTCCGGGGCGCTGGCGGCGCGGAGGAGGATGCTTCGTTGGAGGCTTGGGCTTACGCC  
ATGCCCTGCAGACGCCCGCTGTACGTAGCATTGACATACGAGGAAGCTGGCCCCAGATTTACTTTCTTT  
CAAAGCTCACGGGCCACTGCCAGATAATGAACATTCTTCGCATATATTACTACCAAGTATAATGCATC  
GGTATGCGGTTGTCCAGCCACTCCACATCGAGGAAGTACCTTTGGAGCCGTTGCCTGCCTGGGTACCTT  
CAGCGCCACCGATGGCTGGAGGAGGTCGCCTTTAACTACCGAGGTAGTAGCCTTCTGTGCTTGAATC  
GACTCTTCTACAGTAATGTGAGCGACTGGGAGGTTATCTCTG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >VC101028 representing YP\_001129451  
 Red=Cloning sites Green=Tags

MKVQGSVDRRRLQRRIAGLLPPPARRLNISRSEFTRDVRGLVEEHAQASSLSAAAVWRAGLLAPGEVAV  
 AGGSGGGGSFWSGWRPPVFGDFLIHASSFNNAEATGTPLFQFKQSDPFSGVDAVFTPLSLFILMNHGRG  
 VAARVEAGGGLTRMANLLYDSPATLADLVPDFGRLVADRRFHNFITPVGPLVENIKSTYLNKITTVVHGP  
 VVSKAIPRSTVKVTPQEAFVDLDAWLSGGAGGGGGCFVGGGLGQPCADARLYVALTYEEAGPRFTFF  
 QSSRGHCQIMNILRIYSPSIMHRYAVVQPLHIEELTFGAVA CLGTF SATD GWRRS AFNYRGS SLPVVEI  
 DSFYSNVSDWEVIL

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NC\_009334

**ORF Size:** 1092 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\\_009334.1](#), [YP\\_001129451](#)

**RefSeq ORF:** 1092 bp

**Locus ID:** 5176167

**MW:** 39.1 kDa