

Product datasheet for **VC102296**

putative major capsid protein (NC_003494) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	putative major capsid protein (NC_003494) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	putative major capsid protein
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>The Viral ORF clone VC102296 represents NCBI reference of NP_612228 with codon optimized for human cell expression

Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTGCCATTT**CAGGGCAAATGTAACGAGCGTTTTATTGACATCAGCGTTTTGACGCAATGGAAA**
CCCATCTGTACGGAGGAGATAATGCCGTGACATACTTCGCCAGGAGACTGTTCCGGAGCAGTTGGTATAG
TAAGTTGCCTGTACGCTCAGTAAGCAGACAGGACATGCTAACTTCGCCAAGAGTTAGCGTAACGGTG
GCTCGCGGAGGTGACTATCTGATTAACGCTGGCTGCGGGTGAAGATCCCTAGCATCACATCTTCCAAG
AGAATTCATATTAGATGGTGTGACAATCTGATGCACAACCTTGTGAGGAAGTGAGTGTGAGCTTCAA
CGACCTGTAGCTCAAACCTTGACCAGTGAGTTCCTGGACTTTTGAATGCTTGTATGATGCCTGGTAGC
AAGCAATCAGGATACAATAAGATGATCGGCATGCGGAGCGACCTGGTGGCGGAATCACGAACGGACAGA
CCATGCCCGCGGTACTTGAATTTGCCAATCCCTCTGTTCTTTACGAGAGATACTGGCCTCGCCCTGCC
CACCGTATCCCTGCCCTATAACGAGGTGAGGATCCAATTCAAACTCCGGCGCTGGGAAGATCTTTTGATT
TCACAATCCAACCAAGCTGACATGGCCATCTCCACTGTGACGTTGGCAAATATTGGTAACGTCGCACCCG
CCCTACCAACGTGACGCTGATGGGAACCTACGCCGTGCTCACAAGCGAGGAGCGAGAGGTGTCGCGCA
GAGTAGTCGATCCATGCTTATTGAACAGTGTGAGTTCGCCCAAGAGTACCCGCTCACTCCGGCTGATAAT
TCACTCGTACATCTGGATCTGAGTTGAGCCATCCAGTGAAGGCCCTCTTTTTCGAGTGAAGAACGTGA
CTCATCGCAATGTCCAGTCTAACTATACGGCCGCTTCTCTGTGTACGTCAACAATAAGGTGAACCTGCC
TCTCATGGCGACTAATCCTCTGTCCGAAGTGAGTCTTATTTATGAAAACACCCCAAGACTTCACCAGATG
GGGGTGGACTACTCACAAGCGTGGACCATACTACTTCGCCCTTCAATGCCCGAAATGGATGGAGTGA
TGACCTACTGCTATACGCTGGATATGGGCAACATCAACCCTATGGGCTCAACCAATTACGGAAGGTGTC
TAACGTACCCCTGTCTGTAAAGTCTCCGACAATGCCAAAACAACGGCGCGCGGGGGGGGAAATGGA
AGCGGTTACACCGTCGCTCAGAAATTCGAACCTGTCGTTATAGCCGTTAACCAATATCATGAAGATCG
CTGATGGAGCAGCAGTTTCCCTATTCTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC102296 representing NP_612228

Red=Cloning sites Green=Tags

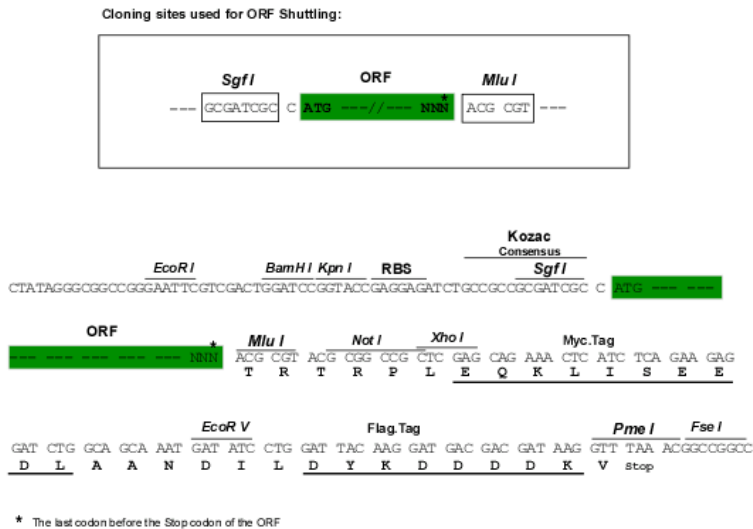
MSAISGANVTSGFIDISAFDAMETHLYGGDNAVTYFARETVRSSWYSKLPVTLISKQTGHANFGQEF SVTV
ARGGDYLINVWLRVKIPISITSSKENSYIRWCDNLMHNLVEEVSVSFNDLVAQTLTSEFLDFWNACMMPGS
KQSGYNKIMIGMRDLVAGITNGQTMPAVYLNLP IPLFFTRDTGLALPTVSLPYNEVRIHFKLRRWEDLLI
SQSNQADMAISTVTLANIGNVAPALTNVSMGYAVLTSEEREVVAQSSRSMLIEQCQVAPRPVTPADN
SLVHLDLRF SHPVKALFFAVKNVTHRNQSNYTAASPVYVNNKVNLP LMATNPLSEVSLIYENTPRLHQM
GVDYFTSVDPYFAPSMPEDGMVTYCYTLDMGNINPMGSTNYGRLSNVTL SCKVSDNAKTTAAGGGGNG
SGYTVAQKFELVVI AVNHNMKIADGAAGFPIL

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NC_003494

ORF Size: 1359 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_003494.1](#), [NP_612228](#)

RefSeq ORF: 1359 bp

Locus ID: 935348

MW: 49.6 kDa