

Product datasheet for **VC102228**

capsid protein (NC_001434) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	capsid protein (NC_001434) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	capsid protein
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide
Sequence:

>The Viral ORF clone VC102228 represents NCBI reference of NP_056788 with codon optimized for human cell expression

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

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGAGGCCACGCCCAACTACTGCTCCTTCTGCTCATGTTCTTGCCTATGCTCCCTGCTCCGCCCTGGCC
AACCATCTGGACGGAGGAGAGGAAGACGATCTGGAGGCAGCGGGGTGGCTTCTGGGGAGATCGGGCTGA
TAGCCAGCCGTTTGCATTCCCTACATTCATCCGACAAACCCCTTTTCTCCAGATGTTACAGCCGCTGCT
GGAGCCGACCCCGAGTGAGACAGCCTGCCAGACCTCTGGGTAGCGCTTGGAGGGACCAAGCACAGCGAC
CTGCGGCTGCGTCTAGGCGGAGGCCACTACAGCCGGCGCGCTCCACTGACCGCAGTGGCACCTGCTCA
CGACACTCCTCCAGTACCGACGTAGACTCAAGGGGCGCGATTCTGAGGGCGCAGTATAAATCTGTCCACG
AGTCCACTGACATCCTCCGTAGCAACCGGAACCAACCTCGTGCTGTATGCCGCCCACTGTCTCCCTGC
TGCCGCTGCAGGACGGCACGAACCCATATCATGGCAACCGAAGCGTCAAACCTACGCCCACTATCGGGT
TGTCGGCCTACCATCAGATATCGCCCACTGGTGCCCAATGCCGTGGGGCGGTATGCAATAAGTATCTCC
TTCTGGCCTCAAACCTACTACAACACCCACCTCTGTTGATATGAACTCTATCACCTCAACCGACGTAGAA
TACTTGTCCAACCCGGGATCGCTTCTGAGCACGTCATTCCGTGAGAGCGGCTTCACTACAGAAATCAGGG
GTGGCGGAGCGTTGAAACCAGTGGGGTTCGCGAAGAGGAAGCCACTAGTGGGCTCGTGATGTTGTGCATC
CATGGATCACTCGTAAACTCATATACTAACACCCCTACACTGGAGCCCTCGGTCTGCTGGACTTTGCAC
TGGAGCTGGAATTCGGAATCTGACCCCTGGCAATACCAATAACAAGAGTCTCCGATACTCATCAACCGC
CCGCCACCGGCTCCGACGGGCGCCGACGGAACCGGGAGCTGACTACCACCGCAGCTACTCGCTTTATG
AAAGATCTGATTTACCTCCACAAATGGCGTGGGGGAAATAGGAAGAGGGATTGCCCTCACACTTTTCA
ACCTGGCAGATACTCTCCTGGGGGGTGCCTACAGAGCTGATCTCCAGCGCCGGTGGGCGAGCTTTTTTA
CTCTCGGCTGTGCTCTCAGCTAACGGGAGCCAACGGTTAAGCTGTACACATCCGTAGAAAACGCACAG
CAGGACAAAGGCATCGCAATTCCCCACGATATCGACCTGGGAGAAAAGCCGCTGTAATACAAGACTATG
ACAATCAGCACGAACAGGATCGACCAACGCCCTCTCCCGCACCTCTCGACCTTTTCCGTGCTGAGGGC
CAATGATGTGCTTTGGCTCAGCCTCACTGCCGAGAGTACGATCAATCAACCTATGGATCATCAACAGGG
CCTGTGTACGTGCTCGACTCTGTAACCTTGGTGAATGTTGCCACCGCGCGCAGGCTGTCGCCCCGCTCC
TGGACTGGACAAAGGTGACCCTGGACGGAAGACCCTGTCTACCACTCAACAGTACAGCAAGACTTTCTT
TGTGCTGCCCTGCGAGGAAAACCTCCTTCTGGGAAGCAGGCACTACCAAGCCGGGTACCCATACAAC
TACAATACAACCTGCCCTCCGACCAGCTGCTTGTGCAAAACGCAGCAGGACACCGCGTGGCCATATCCACT
ATACCACAAGCCTCGGTGCTGGACCTGTGAGTATCAGCGCCGTCGCCGTGCTGGACCCCATAGTCACT
GGCCCTGCTCGAAGATACAATGGATTACCCCGCCGCGCCATACATTTGATGATTTCTGTCTGAGTGC
CGGCCCTTGGCCTGCAGGGATGTGCCTTTCAGTCAACGGTTGCTGAGTTGCAGCGGCTGAAGATGAAAG
TGGGCAAGACCCGCGAGCTT

ACGCGTACGCGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >VC102228 representing NP_056788
 Red=Cloning sites Green=Tags

MRPRPILLLLMFLPMLPAPPPGQPSGRRRRRRSGSGGGFWGDRADSQPFAIPYIHPTNPFAPDVTAAA
 GAGPRVRQPAPRLGSAWRDQAQRPAASRRRPTTAGAAPTAVAPAHDTPPVPDVSRAILRRQYNLST
 SPLTSSVATGTNLVLYAAPLSPLLPLQDGTNTHIMATEASNYAQYRVVRATIRYRPLVNAVGGYAISIS
 FWPQTTTTPTSDMNSITSTDVIRILVQPGIASEHVIPSERLHYRNQGWRSVETSGVAEEEATSGLVMLCI
 HGSLVNSYNTNTPYTALGLLDFALELEFRNLTPGNTNTRVSRYSSTARHRLRRGADGTAELTTTAAATRFM
 KDLYFTSTNGVGEIGRGIALTLFNLADTLLGGLPTELISSAGQLFYSRPVVSANGEPTVKLYTSVENAQ
 QDKGIAIPHDIDLGESRVVIQDYDNQHEQDRPTSPAPSRPFSVLRANDVLWLSLTAAEYDQSTYGSSTG
 PYYVSDSVTLVNVATGAQAVARSLDWTKVTL DGRPLSTTQQYSKTFVLP LRGKLSFWEAGTTKAGYPYN
 YNTTASDQLLVENAAGHRVAISTYTTSLGAGPVSISAVAVLAPHSALALLEDTMDYPARAHTFDDFCPEP
 RPLGLQGCAFQSTVAELQRLKMKVKGKREL

TRTRRLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NC_001434

ORF Size: 1980 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_001434.1](#), [NP_056788](#)

RefSeq ORF: 1980 bp

Locus ID: 1494410

MW: 71.0 kDa