

Product datasheet for **VC101774**

major capsid L1 protein (NC_008189) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	major capsid L1 protein (NC_008189) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	major capsid L1 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 VC101774 represents NCBI reference of YP_656504 with codon optimized for human cell expression

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

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGTGCCTGAACCTGCTGCTGTGGATGGTGTGATGCACCTGATCCACTTTATCTGCATCCAAGTGA
CCGACGCAAACGCCTCCGCTAATGGCCTGGTGTCAACGTGCTGCAAATGGCCGGGCTGTGGCTGCCCA
AACCGGAAAAATCTACCTGCCCCCGCACCCCGCTCAGCCGGTCCCTGACCACCGACGAGTACGTGGT
GAGACCAGCGTCTTCTCCACGCAAGCAGCGACCCGGTGGTACTGTGGGACACCCATACTCCCGTGA
TCAAGCCCGCAACCACACCGTGAAGTCCAAAGGTGAGCGGCAACCAGTTCGGGGCTTCCGGCTCCG
GCTGCCGACCCCAACAAGTTCGCCCTGATCGACAAGCAACTGTACAACGTGGAGTCCGAGCGGCTGGT
TGGCGGCTGCGGGGCATCGACATCGGGCGGGCGGCCCTGGGGATCGGCAGCACTGGCCACCCCTGT
TTAACAAGCTGAAGGACACCGAGAACCCCAACGGCTATCAGAAGGGCGGCCAAGGACGCCCGGAGAA
CGTGAGCATGGACCCCAAGCAAACCCAGCTGTTCTGGTGGGCTGACCCCTGCAAGGGAGAGCACTGG
GATGTGGCCCCCGCATGCGATAAGAACCCCAAGGGCACCTGCCCCCTGCAAGTGGTGGAGCAGCG
TGATCCAGGACGGCGACATGTGCGACATCGGCTTTGGGGTATGAACTTCGCCCGCTGCAGGCCGACCA
CAGCGCGTGGCCCTCGACATCGTGGCCGATACCTGCAATGGCCCGACTTCCTGGGCATGGCCAACGAC
CGGTTCCGGCAGCGAATGTTCTTCTCGGCCGGCGGGAGCAGGTGACGCCCGGCACTACTTCACCCACA
ACGGCACCGTGGCGACTCCGTGCCGAGGAAGCTTTGAGGGCAACGGCAAAAAGTACTTCATCGGCGC
CAGCAGGGACAAGACCAGCAGCTCGCCCCAGCCTTACTTCGCCACCCCGCGGCTCCCTCGCC
GAGCAGCAGCCAGCTGTTACGCCGCCCTTACTGGATCGAGCGGGCCAGGGCGCCAACAACCGCTGC
TGTGGAACAACAACGCTTTCGTCACCTGGTGGACAACCCACAACGTGAACTTACCATCAACGTGGC
CACCGAGGACAATATCCAAGCTACGACAGCGCAAGTACAAGCACTACCTGCGGCACGTGGAGGATTC
GAGATCAGCCTGATCGTGCAGCTCTGCAAAGTGAAGCTCACCCCGCAGTCTCGCCACATCCACCTGA
TGAACCCAGCATCCTGGACGAGTGGCAGCTGGGCATCGCCGACCACCCAGCACAAGCATCGAGACCAC
CTACCGGTACATCGACAGCCTGGCCACAATGTGCCCCACCGCGAGCCCCCAAGGAGAAGGAGGATCCC
TACGACAAGATGAGCTTCTGGTGGTGGACCTGAGCGATCGGATGAGCAGCGAGCTCGGCGCATATCCC
TGGGGCGGGTCTCTGCATCAGACTGGCAGCGCCCGGCCCGCCCGCCCTCAAGCGGCCCGGCCAG
CACTCTACCCGCCCACAAGCCGGAGCAGCAAGCGGGCGGGAGACAGTTC

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTAA

Protein Sequence:

>VC101774 representing YP_656504

Red=Cloning sites Green=Tags

MCLNLLLLWVLMHLIHFICIQVTDANASANGLVFNVLMAGLWLPQTGKIYLPAPPVSRSLTDEYVV
ETSVFFHASSDRLVTGHPYFPVIKPGNHTVEVPKVSGNQFRAFRLRLPDPNKFALIDKQLYNVESERLV
WRLRGIDIGRGGPLGIGSTGHPLFNKLDTENPNGYQKGGAKDARQNVSMQKQTLFVVGCTPCKGEHW
DVAPACDKNPPKGTCPPLQLVSSVIQDGMCDIGFGAMNFAALQADHSGVPLDIVADTCKWPDFLGMAND
RFGDGMFFFGRREQVYARHYFTHNGTVGDSVPEEGFEGNGKKYF IGAEQQDQHLAPSLYFATPSGLA
SSDSQLFSRPYWIERAQGANNVWNNVFTLVNTHNVNFTINVATEDNIQSYDSAKYKHYLRHVEEF
EISLIVQLCKVSLTPDVLAIHLMNPSILDEWQLGIAAPPSTSIETTYRIDS LATMCPTAEPKEDP
YDKMSFVWVLDSDRMSELGAYPLGRRFLHQTSARPARPLKRRPSTPTRPTSRSSKRRRRQV

TRRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NC_008189

ORF Size: 1662 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_008189.1, YP_656504](#)

RefSeq ORF: 1662 bp

Locus ID: 5177017

MW: 61.8 kDa