

Product datasheet for **VC100765**

capsid protein 1B (NC_001430) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	capsid protein 1B (NC_001430) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	capsid protein 1B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC100765 represents NCBI reference of NP_740413 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCCTCCGCGAGGCCTGTGGATACTCCGACCGCGTACTGCAGCTGAAGCTGGGCAACTCAAGCA
TAGTCACACAAGAGGCAGCCAACATCTGTTGCGCATATGGCGAGTGGCCCACTTATCTTCCCGATAACGA
AGCAGTGGCTATAGACAAACCGACACAGCCAGAACTCCACCGATAGATTCTACACACTGAAGTCAAAG
AAGTGGGAGAGTAATCCACAGGGTGGTGGGAAGCTGCCCGACGCTTTGAACCAAATAGGGATGTTTCG
GACAGAATGTGCAGTACCACTATCTGTATCGCTCTGGCTTCCTGTGTACAGTCCAGTGAACGCCACTAA
GTTTCACCAAGGTACCCTGCTCATAGTTGCAATCCAGAACACCAGATCGAAAGAAGGGCACGGGGACC
TCTGCTCTTTTGTGAAGTAATGAAAGGAGCCGAAGGGGTGTGTTGAGCAGCCTTATCTGTTGGACG
ATGGGACTAGCCTTGCTTGTGCCCTGGTGTATCCTCATCAGTGGATTAACCTGAGAACTAATAATCCGC
TACCATAGTACTCCCTGGATGAACTCCGCGCCATGGACTTTGCTTTAGGCACAATAATTGGACATTG
GCCGTGATACCGTATGCCACTGGCCGGCGGCCGAAACACCAACACCTACGTCCCCATTACCATAT
CTATCGCCCCATGTGCCTGAGTACAACGGCCTGCGCAATGCTATCACTCAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >VC100765 representing NP_740413
 Red=Cloning sites Green=Tags

MSPSAEACGYSDRVLQLKLGNSSIVTQEAA NICCAYGEWPTYLPDNEAVIDKPTQPETSTDRFYTLKSK
 KWESNSTGWWWKLPDALNQIGMFGQNVQYHYLYRSGFLCHVQCNA TKFHQGTLLI VAIPEHQIGKKG TGT
 SASFAEVMKGAEGGVFEQPYLLDDG TSLACALVYPHQWINLR TNNSATIVLPWMNSAPMDFALRHNWTL
 AVIPVCP LAGGTGNTNTYVPITISIAPMCAEYNGLRNAITQ

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NC_001430

ORF Size: 753 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_001430.1, NP_740413
RefSeq ORF: 753 bp
MW: 27.6 kDa