

## Product datasheet for **VC101855**

### HpV126gp6 (NC\_016157) Virus Tagged ORF Clone

#### Product data:

|                           |                                              |
|---------------------------|----------------------------------------------|
| Product Type:             | Expression Plasmids                          |
| Product Name:             | HpV126gp6 (NC_016157) Virus Tagged ORF Clone |
| Tag:                      | Myc-DDK                                      |
| Symbol:                   | HpV126gp6                                    |
| 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 VC101855 represents NCBI reference of YP\_004934017 with codon optimized for human cell expression  
Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGCAGAGAGCCAGACGACAGACCAAGGGCGAGCGTGCAGGATATATACAGAAGTTGCGCTCAAGGGGCG  
ATTGCCCCACTGACGTGAAGAATAAGGTCGAGGGCAGCACTTGGGCCGACACTCTCCTGAAAGTGTTAG  
CAGCATCGTCTACTTCGGAGGACTCGGAATCGGCACCGGAAGGGGTTCCGGTGGCTCATTGGCTATAGA  
CCTTTGAAAGGTGCCAGGGGACACGCCCATAGAGACCAGCGTCGCCCCGGCACGGCCAGCATCCCGA  
CTGTTGATGTCGTCGGGCTGCTGACATTCTGCCGATTGGCCAGATGCTCCTGCCATCGTGCCCTTAG  
CGAAGGCTCCCTGAGACTGGAATAATTGACACCCAGGGGCGGCCCGGGCTGGACTCCACCATCGTG  
AATGTGACTACCACCATCGACCCGACTTCTGAGGTGATAGGAATCGGCGAACACCCCAACCTCATACCCG  
AGACTGCCGACACCAAGTGTATAGACATCCAAACACCCCTCCCCACCCAAAAGAATACTTCTGGACAC  
TAGTGTGACACATACTACGGAGCCAAGTCTTTCACGAGCTTCCACACCGACGCTGATGTGAACGTGTT  
GTGAATCCAATGTTTGTGGGTACAACATCGGTGACCCAGAGTATATCGAACTCGAGCGGATCAATGAGA  
TGGCCAGTTCGAAATCGATGCTGGCCCCCGGAATCTACCCCGATCACGAGTAGGGCTGTGACCCGCGC  
AAGAGACCTTTACAACAGGTACGTGCAGCAGGCTCCAACCAGACGCCCGGATATCGTAGGCCTGTCCCTC  
CGGCCTTCCGTGTCACAATTTGAGAATCCTGCTTTTGTGACAGCGTTCCGCGATATCTTTGAAGAGGACG  
TGGAAGCGATCTCTGCACAGGGGAGATGGAAGGAAGCCCCGGTTGTCCGCTACACCTACCGGGACCGT  
GCGGGCAAGTCGTTGCTGAGGAAGCCAGGTATGACAACCTCGAGTGGCTGGAATAGGACAGAGAGTT  
CATGTTTACTATGACTTTTCTCTATTGCCAAGGATACTATAGAACTCTCCACCCTGGGTGAGACCTCTA  
ATGAGTCTACCATAGTGGACGAGCTTGCTGTGAGTAGCTTCATCGACCCCTTTGAACCTCCAGTGAATGG  
ATTCGAGGACATCGACCTTCTTGACACCTCCAGGAGGACTTTCGCAACTCACAGCTGCTTATTACAGCC  
GGAAGTAGCGTTACCGAAGACCTGGAGATTCCAACCTTTGCCAAGCGGGATCACTTTCAATGTCATAAGTA  
ATACGGATAAAGTGCTCAGTACTTCACAATTTATCACTAACGCTTCAGCCATCAATATACCCTCTCTAC  
TATTCCGATTGGCCCTAGTGCAGCCTTGGACGTCGAATATTATGACTTCGATCTGCACCCAGTCTGAGA  
CGGAGGAAAAGAAAGCGCAACATGTTT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

## Protein Sequence:

>VC101855 representing YP\_004934017  
Red=Cloning sites Green=Tags

MQRARRRPRASVQDIYRSCAQGGDCPTDVKNKVEGSTWADTLLKVFSSIVYFGGLGIGTGRGSGGSFGYR  
PFEGAQGRPIETSVAPARPSIPTVDVVGPAIDILPIGPDAPAIVPLSEGLPETGIIDTPGAGPGLDSTIV  
NVTITIDPTSEVIGIGEHPNLIPETADTSVIDIQTPPPPKRILLDTSVHTTPEPSLSRASHTDADVNVF  
VNPMFDGYNIGDPEYIELERINEMAQFEIDAGPRESTPITSRAVTRARDLYNRYVQAPTRRPDIIVGLSL  
RPSVSQFENPAFDADVRDIFEEDVEAISAQGMESGPRLSATPTGTVRASRLLRKPGMTTRSGLEIGQRV  
HYYDFSPIAKDTIELSTLGQTSNESTIVDELAVSSFIDPFELPVNGFEDIDLLDTLQEDFRNSQLLITA  
GTSVTEDLEIPTLPSGITFNVISNTDKVLSTSQFITNASAINIPSPTIPIGSAALDVEYYDFDLHPSLR  
RRKRKRNMF

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

## Restriction Sites:

Sgfl-MluI

## Cloning Scheme:



ACCN: NC\_016157

ORF Size: 1497 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\\_016157.1](#), [YP\\_004934017](#)

RefSeq ORF: 1497 bp

Locus ID: 11294418

MW: 54.0 kDa