

Product datasheet for **VC101856**

HpV126gp7 (NC_016157) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HpV126gp7 (NC_016157) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	HpV126gp7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>The Viral ORF clone VC101856 represents NCBI reference of YP_004934018 with codon optimized for human cell expression
 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGGCGACGTGGATGCCTAGCAGCGGCCCTCTACTTGCCTCCCGCTCAGCCTGTGGCTAGGGTTTACA
 GCACCGATGAGTATGTTATTTCCACCGACATCTATTTCCATGCCAACACCGAACGCTGTGACGGTGGG
 GCACCCATATTTTCGATATCGTGGATAGTAACGACAACGTTACCGTGCAGGTTCCCAAGGTTTCCGCCAAC
 CAGTTCGGGTGCTGAGGATGAAGCTGCCGACCTAATAAGTTTGCCCTGATAGACACTGACATATATA
 ACCCTGAGAAGGAGCGCCTCGTGTGGAGACTGTACGGGATTGAAATTGATAGGGCGGACCACTGGGGAT
 CGGGACCACAGGGCATCCCTCTTCGACAAACAGACCGACACAGAAAATCCTTCAGCTTACCCAAATTTT
 GGAAATCCACCGAAAAATCGCCTCAATATCAGCTGCGACCCCAACAGAACAGCTGTTTATCGTTGGTT
 GCGCACCAGCGCTGGGGCAACACTGGGATGTCGGCGAACCTGTGAGCCGCCAGGCCAAAAAGGACTTG
 CCCACCTATCAAGCTTATTCACAGCCCTATTCAAGATGGGGATATGTCCGATATTGGATTGGTGCCGTC
 AACTTTGCCACATTTAGCGAGAGCCGAAGCGACGCCCTCTGGAGATCATCAACAGCATCTGCAAGTGGC
 CCGACTTCATTGAGATGACAAAGGACGTGTACGGTGATAGACTGTTCTTCTTCGGCAACGCGAACAGGT
 CTACGCCCGACACATGTTCTGCAAGGACGGTGCCGTGGGAGATTCTATCCAGAAGATGTGAACGGCGAT
 CATCGACGGTTCATCGTGCATCCCGACACTGGCACACCGCCAGATCTGAATCTCGGAAACAGCACGTATT
 TCCCAATGCCTAGTGGCTCCCTGGTTACGAGTGAGACACAGCTCTTCAACAGGCCGTTTTGGCTCCATAG
 AGCACAGGGGAAGAACAACGGTATCTGCTGGGGCAACAACCTGTTCTGACATTCTGGACAACACTCAC
 AACACGAACTTCATCTGTCTGTGTACAAGGAGGACGAGCCTATGGGCGCCAGTACAAATATAAGAGTA
 CACACTTTCGGCATTTTATGAGGCATACCGAAGAGGTCGAGGTCGAGCTTATCCTTCAGCTGTGTAAGAT
 CCCTCTGGAAGCCGAGATTCTGGCCACATCAACGCTATGAACAGCGCTATACTGACGAATGGCAGCTG
 GCTTTCTGCGCGGCCACCTCAGAATATTGAGGACACTTACCGCTTTATCAAGAGCCTGGCCACAATAT
 GTCCCAAGGACGCTCAGCAGAAACCTCCAGCCGACCCGTTTAAGGATTGCACTTTTGGACTGTAGATCT
 GAGTGATAGATTGAGCAGCGATCTGGACCAGACACCTCTCGGGCGGAAGTTCTTGTATCAGATGGGAAAG
 CTCAGCACTAATCGGAAAGACTGAGGGACACGTACGCATCCACCACACCTTCCACACGCAGGAGAACAA
 AGCGGAAAAGGTAAAGCTGAGTCGAGT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC101856 representing YP_004934018
 Red=Cloning sites Green=Tags

MATWMPSSGRLYLPPAQPVARVYSTDEYVIPTDIYFHANTERLLTVGHPYFDIVDSNDNVTQVPKVSAN
 QFRVLRMKLPDPNKFALIDTDIYNPEKERLVWRLYGIEIDRGGPLGIGTTGHPLFDKQTDTENPSAYPNF
 GNSTENRLNISCDPKQNQLFIVGCAPALGQHWVGEPPGQKGTCPPIKLIHSPIQDGDMSDIGFVAV
 NFATFSESRSAPLEIINSICKWPDFIQMTKDYYGDRLFFFGKREQVYARHMFCKDGAVGDSIPEDVNGD
 HRRFIVHPDTGTPPDNLGNSTYFPMPSGLVTSSETQLFNRPFWLHRAQGNNGICWGNLFTVFLDNTH
 NTNFILSVYKEDEPMGAQYKYKSTHFRHFMRTHEEVEVELILQLCKIPLEAEILAHINAMNSAILDEWQL
 AFVPAPPQNIETYRFIKSLATICPKDAQKPPADPFKDLHFWTVLSDRFSSDLDTPLGRKFLYQMGK
 LSTNRKRLRDTYASTTPSTRRTKRKRVSVSRS

TRTRRLE**QKL**ISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NC_016157

ORF Size: 1569 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_004934018](#)

RefSeq ORF: 1569 bp

Locus ID: 11294419

MW: 59.5 kDa