

Product datasheet for **VC101853**

HpV126gp4 (NC_016157) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HpV126gp4 (NC_016157) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	HpV126gp4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC101853 represents NCBI reference of YP_004934015 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAACCAGAACGATCTGCGAGAGCGGCTCGACGCTCTGCAGACTGAGTTGATGACCCTGTACGAAACCA
ATCCAACGGATCTTAAGAGTCAAATAACCCACTATCAGCTCCTCCGCAAGGAAGGGTTCTGCAGTATTA
TACACGCAAGGAAGGGTACGACCGGCTTGGCTGCAATACATCCCCCGCTCAAAATCTCCGAAAACCCAC
GCCAAGACGGCAATTAATGATCCTGATCTTGGAGTCTCTGGCAAAGAGTAAGTACGCCTCAGAGCAGT
GGACTTTTCGCCGATTGCAGCGCGGACCGATTCAACTCCCCACCCCGGAATTGTTTGAAGAAGCACTCCTT
TGAGGTGGAAGTTTGGTTCGATTCTGACAAGCAAAACGCCCTCCCATACATCAACTGGCGGGACATTTAC
TATCAGGATGAGAAAGACGAATGGCACAAGGTCAAAGGAGAGGTGGACTACAACGGCCTGTTTTTCACTG
AACTCGACGGCACACGAAACTATTTTATCCTCTTTGAAAAGGATGCATTCCGCTACGAAAAGACAGGCAC
ATGGACAGTCAATTACGACAATGAACAGATTCTGCCATTCGTGACCAGCAGTAGCAGGAAGTCTATAAGT
GACACTCAAGAAGACTACAACGGGAAACCAAGTACCTCCCTTTCACTCCAAGGAAAAAGATAATC
GCAGGCGGACTCCCGAAGCCAGGAGGGGTACCATCAAGCACAACCTAGGCATGGTAGACGGAGGAGGAG
GGGCGGCAACAGCGGGAGTCCCCCAGCAACAAACGAAGACGGGGCCACAGACAGATGGCACCGCG
GATTATATCTCCCAGAAGAGGTGGGTGGTTCTCATAGAAGTGTCCAGAGGACCGGCCTGGGGAGGATTG
AACGGCTGAAGGAGGAGGCTAGGGACCCCCAATCATCCAGCTGAAGGGGGGGGCAACAGCCTGAAGTG
TTGGAGGAACCGATTTAAATTAATATAAGGATCTCTTTACCGCAATTACCACAGTCTATAAGTGGGTC
GGGAATAATAACGCCGACGAGGTGGAATCACGGCTCATGGTGGCATTCCGGGATCTGAGCCAGAGATCCG
CCTTTATCGCAACCGTGCACATCCCTAAGGGAGTGAGCATGTCCCTGGGATCACTGGATTCCCTG

ACGCGTACGCGGCGGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >VC101853 representing YP_004934015
Red=Cloning sites Green=Tags

MNQNDLRERLDALQTELMTLYETNPTDLKSQITHYQLLRKEGVLQYYTRKEGYDRLGLQYIPPLKISENH
 AKTAIKMILILESLAKSKYASEQWTFADCSADRFNSPPRNCLKKHSFEVEVWFSDKQNAFPYINWRDIY
 YQDEKDEWHKVKGEVDYNGLFFTELDGTRNYFILFEKDAFRYKGTGTWTVNYDNEQILPFVTSSSRKSIS
 DTQEDTTTGEPTSLSTSKEKDNRRTPGSQEGSPSTTRHGRRRRRGGEQRESPPRNKRRRGAQTDGTA
 DYISPEEVGGSHRSVQRTGLGRIERLKEEARPPPIIQLKGGANSLKCWRNRFKIKYKDLFTAITTVYKWV
 GNNNADEVESRLMVAFRDLSQRSAFIATVHIPKGVSMGLSLDSL

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NC_016157

ORF Size: 1185 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_004934015](#)

RefSeq ORF: 1185 bp

Locus ID: 11294416

MW: 45.7 kDa