

Product datasheet for **VC100534**

VP29 precursor (NC_001943) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	VP29 precursor (NC_001943) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	VP29 precursor
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 VC100534 represents NCBI reference of NP_059444 with codon optimized for human cell expression

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

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCCTCAAAGTCTAACAAACAGGTGACCGTTCGAGGTGTCAAACAACGGCAGGAGCAGAAGCAAATCAC
GGGCGCGGTCTCAGTCACGCGGTTCGGGACAAGTCTGTCAAGATTACCGTAAACAGTCGGAATAGGGCACG
CCGGCAGCCTGGCAGAGATAAACGCCAGAGCTCACAGCGGTTAGGAATATTGTCAAACAAGCAGTTGAGA
AAGCAGGGAGTCACCGGGCCAAAGCCTGCTATCTGCCAGCGGGCCACCGTACCCTGGGCACAGTCGGCT
CAAATACCTCTGGAACCACAGAGATCGAGGCTGCATCCTGCTCAATCCAGTGTGGTTAAGGATGCCAC
AGGGTCCACCCAGTTCGGCCAGTACAGGCTCTGGGTGCCAATACAGCATGTGGAATTAAGTACCTG
AACGTTAAACTCACTTCCATGGTTGGGGCTCCGCCGTAACGGCACTGTACGGGAGTGAGTCTGAATC
CAACCACAACCTCCACTTCCACTAGCTGGTCTGGCCTTGAGCACGGAACACCTTGACGTACAGTCGG
CAAAAATGCGACGTTCAAACGAAACCAAGCGATCTGGGCGGTCCCGCGACGGCTGGTGGCTGACCAAT
ACAAACGATAATGCATCAGACACCTTGGTCCATCCATAGAAATTCATACCTCGGCCGGACAATGTCTA
GTTATAAAAAATGAACAGTTCCTGTTGGGGATTGTTCTCGTGGAAGTGGCAAGTGGTGGTCTTTACGGG
CTATGCCGCTAATCCTAATCTCGTGAATCTGGTAAAGAGCACCGACAACCCAGGTGAGCGTGACATTCGAA
GGGTCCGCGGGTCCCACTGATCATGAACGTCCTGAAGGATCTCACTTTGACGGACCGTTTTGGCCA
GGAGTACGACCCCTACCACACTGGCCGGGCGGGTGAAGAACCACCTCAGACACTGTTTGGCAAGTGTG
CAATACCGCCGTGTCGCTGCGGAATGGTCAACCCACCTCCCTTAATTGGCTGGTCAAAGGCGGCTGG
TGGTTCGTTAAGCTGATAGCCGGAAGGACCAACCGGATCCCGCAGTTTCTATGTCTACCAAGTATC
AGGACGCACTTTCAACAAGCCAGCTTTGTGCAGGGCAGTACACCCGGCGGCATGAGAACCAGCAATCC
TGTGACAACCACACTGCAGTTCACCCAGATGAACCAGCCAGTCTCGGGCACGGGAGGCCCTGCAGCC
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CGAATGCTAACAAATAACAGACTTGGGTGAACAAGCCTCTGGATGCCCTAGCGGCCATTATAACGTGAA
AATTGCGAAGGATGTTGACCACTACCTCACCATGCAAGGCTTTACTAGCATCGCTTCCGTGGACTGGTAC
ACCATTGATTTTCAGCCAAGCGAGGCTCCTGCGCCATCCAGGGGCTGCAGGTTCTGGTGAACCTCAGCA
AGAAAGCTGATGTGTACGCAATTAACAGTTTGTCACTGCACAACTAACAAACAACACCAGGTCACCTAG
CCTCTTTCTCGTCAAGGTAACCTACCGGTTTCAGGTGAATAACTACCTGAGCTACTTTTATCGCGCAAGT
GCAACCGGGGATGCCACAATACTGCTCGTGAGGGGGGACACATACACCGCCGGGATCTCATTTACCC
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TAACGTTGAGCTCAAACCAATACAGCTTACCACATGGATAAAGGTCTCGTACATCTGATTATGCCTCTG
CCTGAGTCCACACAGATGTGCTACGAAATGCTGACCAGCATCCCCAGGTCAAGGGCGAGCGGACATGGAT
ACGAGTCCGACAACCCGAGTATCTGGACGCACCAGATTCAGCCGACCAATTTAAGGAGGATATTGAGAC
CGACACTGACATTGAGAGCACAGAGGACGAGGACGAGGCCGATCGATTTGACATCATTGACACCTCCGAT
GAGGAGGACGAAAACGAGACAGACCGGGTACTTTGCTGAGCACACTGGTTAACCAGGGGATGACTATGA
CCCGAGCCACGCGGATTGCTAGGCGCGCCTTCCCTACGTTGAGCGACCGCATCAAGCGGGGTGTTTACAT
GGACCTCCTCGTGAGCGGCGCATCCCTGGGAACGCTGGTCCCACGCATGCGAGGAAGCTAGGAAAGCC
GCCGGCGAGATAAATCCTTGACCAGCGGTTCCAGAGGTCACGCTGAG

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >VC100534 representing NP_059444
 Red=Cloning sites Green=Tags

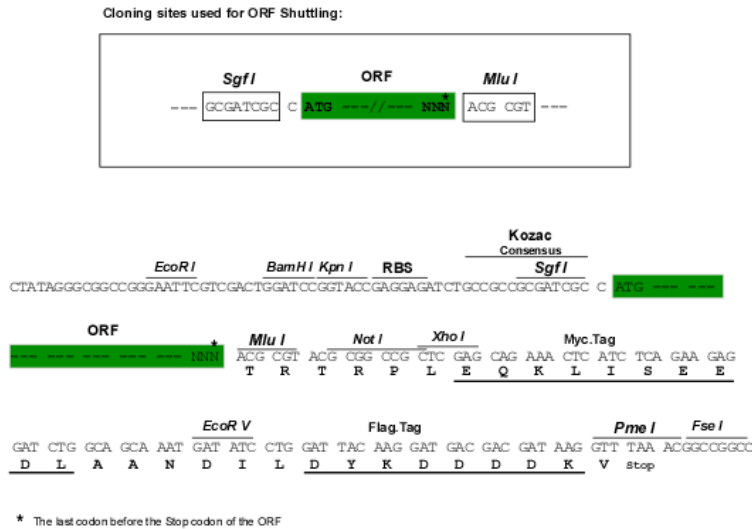
MASKSNKQVTVEVSNNGRSRKSRSARSQSRGRDKSVKITVNSRNRARRQPGRDKRQSSQVRNIVNKQLR
 KQGVTPKPAICQRATATLGTVGSNTSGTTEIEACILLNPVLVKDATGSTQFGPQALGAQYSMWLKYL
 NVKLTSMVGASAVNGTVSGVSLNPTTPTSTSWSLGARKHLDVTVGKNATFKLKPDLGGPRDGWWLTN
 TNDNASDTLGPSEIHTLGRMTSSYKNEQFTGGLFLVELASEWCFGYAANPNLVNLVKSTDNQVSVTFE
 GSAGSPLIMNVPEGSHFARTVLRSTPTTLARAGERTTSDTVWQVLTAVSAAELVTPPPFNWLVKGGW
 WFKVLIAGRTRTGSRSFYVYPSYQDALSNKPALCTGSTPGMRTRNPVTTTLQFTQMNQPSLGHGEAPAA
 FGRSIPAPGEEFKVVLTFGAPMSPNANNKQTWVNKPLDAPSGHYNVKIAKDVDHYLTMQGFSTIASVDWY
 TIDFQPSEAPAPIQGLQVLVNSSKADVYAIKQFVTAQTNNKHQVTSFLVKVTTGFQVNNYL SYFYRAS
 ATGDATTNLLVRGDTYTAGISFTQGGWYLLTNTSIVDGAMPPGWVWNNVELKNTAYHMDKGLVHLIMPL
 PESTQMCYEMLSIPRSRASHGHYESDNTEYLDAPDSADQFKEDIETDIEDIESTEDEDADRFDIIDTSD
 EEDENETDRVTLSTLVNQGMTTRATRIARRAFPTLSDRIKRGVYMDLLVSGASPGNAWSHACEEARKA
 AGEINPCTSGSRGHAE

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NC_001943

ORF Size: 2358 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_001943.1](#), [NP_059444](#)

RefSeq ORF: 2358 bp

Locus ID: 1494461

MW: 85.5 kDa