

Product datasheet for **VC100537**

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)
ORF Nucleotide Sequence:	>The Viral ORF clone VC100537 represents NCBI reference of NP_751900 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCGCAACCCCGTCACCACCACACTCCAGTTCAGTCACTCAGATGAATCAACCATCTCTCGGGCATGGCGAAG
CTCCTGCTGCCTTCGGCAGATCCATTCCGGCCCTGGCGAGGAGTTCAAAGTGGTTCTCACATTCGGCGC
CCCAATGTCCCCAACGCCAACAAACAAACAGACTTGGGTGAACAAACCATTGGACGCTCCATCCGGGCAC
TATAATGTCAAAATCGCCAAAGACGTCGATCATTACCTACCATGCAGGGATTACCTCTATCGCATCAG
TGGACTGGTATACGATTGACTTTCAGCCGTCAGAGGCACCTGCACCTATTCAGGGCCTGCAGGTGCTGGT
GAACTCCTCTAAAAAGGCTGACGTGTATGCCATAAAACAATTCGTCACAGCTCAGACAAATAACAAGCAT
CAGGTCACTTCCTTGTCTGGTAAAGGTGACTACAGGATTCCAGGTGAACAACCTACCTGAGTTATTTTT
ACAGGGCCTCAGCTACAGGCGATGCCACAACCAATCTGCTGGTGAAGGGCGACACATACACCGCCGGCAT
TTCCTTACCCAGGGCGGCTGGTATCTGTTGACGAACACCTCAATTGTCGATGGTGCCATGCCCCCTGGC
TGGGTGTGGAACAATGTCGAATTGAAAACAAACACAGCTTACCACATGGACAAAGGCCTCGTGCACTTGA
TCATGCCTCTGCCGAGAGCACGCAGATGTGCTACGAGATGTTGACCAGTATCCCACGAAGCCGGGCTTC
CGGACACGGGTATGAATCCGACAATACTGAATATCTGGATGCTCCAGATTCTGCCGACCAGTTCAAAGAG
GACATTGAGACCGACACCGACATTGAGTCTACTGAGGACGAGGATGAGGCTGATCCGTTTCGATATCATCG
ACACATCCGATGAGGAAGACGAGAATGAGACCGATAGGGTTACCCCTTCTGAGCACGTTGGTTAATCAGGG
CATGACTATGACCAGGGCAACAAGGATCGCACGGAGGGCATTTCCTACTTTCCGACCGAATTAACCGC
GGCGTCTACATGGACCTGCTCGTGAGCGGGGCTTCCCCCGGAATGCCTGGAGTCACGCCTGTGAGGAAG
CACGAAAGGCCGAGGCGAAATTAACCCCTGTACATCTGGCTCAAGGGGGCATGCTGAA

ACGCGTACGCGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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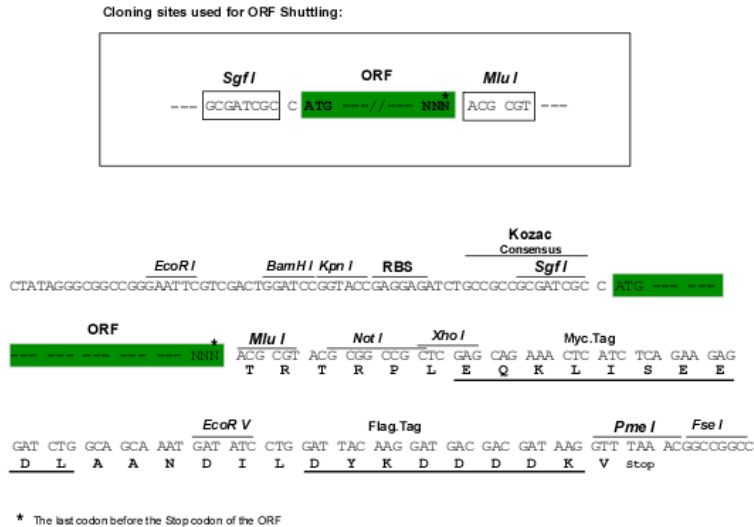
Protein Sequence: >VC100537 representing NP_751900
Red=Cloning sites Green=Tags

MRNPVTTTLQFTQMNQPSLGHGEAPAAFGRSIPAPGEEFKVVLTFGAPMSPNANNKQTWVNKPLDAPSGH
 YNVKIAKDVVDHYLTMQGF TSIASVDWYTIDFQPSEAPAPIQGLQVLVNSSKKADVAIKQFVTAQTNNKH
 QVTSFLFLVKVTTGFQVNNYLSYFYRASATGDATTNLLVRGDTYTAGISFTQGGWYLLTNTSIVDGAMPPG
 WYWNVELKTNAYHMDKGLVHLIMPLPESTQMCYEMLTSIPRSRASGHGYE SDNTEYLDAPDSADQFKE
 DIETDTDIESTEDEDADRFDIIDTSDEEDENETDRVTLLSTLVNQGMTMTRATRIARRAFPTLSDRIKR
 GYMDLLVSGASPGNAWSHACEEARKAAGEINPCTSGSRGHAE

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NC_001943

ORF Size: 1179 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_751900](#)

RefSeq ORF: 1179 bp

MW: 43.3 kDa