

Product datasheet for **VC100156**

penton (NC_012959) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	penton (NC_012959) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	penton
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 VC100156 represents NCBI reference of YP_003038607 with codon optimized for human cell expression
 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGAGAAGAGCTGTGGTGCATCCCCCACCCTAGCTACGAGAGCGTGATGGCACAGGCCACTCTGGAGG
 TGCCATTTGTTCTCCTCGCTATATGGCTCCACAGAGGGAAGAAATTCATCAGGTATAGCGAGCTGGC
 ACCGCAGTACGACACCACCCGAGTGTATCTTGTGGACAACAAGAGTGGGATATAGCCAGTCTGAACAT
 CAAATGATCATAGTAACCTTCTCACCCTGTTGTGCAGAATAATGATTTACCACAGCCGAGGCTTCCA
 CACAGACCATAAACTTCGACGAGAGTCCCGTGGGGGGTATTTGAAAACCTTCTGCACACTAATAT
 GCCCAACGTCAATGAGTACATGTTTACATCTAAGTTCAAGGCTCGGGTAAATGGTGGCACGCAACACCCC
 GAAGGAGTGGACAACACAGACCTGTCCAGGATAAGCTCGAGTACCAGTGGTTTGTAGTTCACCCCTGCCCC
 AAGGAACTTCAGCGAGACTATGACAATTGACCTGATGAATAATGCTATCCTGGAGAATTACCTGCAGGT
 GGGCCCGCAGAATGGCGTCTCGAATCAGACATCGGAGTGAAGTTTACAGCCGCAATTTAAGTTGGGC
 TGGGACCTGTTACTAAGCTGGTGTATGCGAGGGTGTATACTTACGAAGCTTTTACCCCGATGTCGTGT
 TGCTCCAGGATGCGGGTTCGATTTTACCAGAAAGCAGACTCTCTAATCTTTGGGCATACGAAGAAGCA
 GCCCTTTCAGGAGGGTTCGCATAATGTACGAAGATCTGGAAGGAGGTAATATTCAGCCCTCCTGAAC
 GTGACTAAATACTTGAATCCAAAAAGACGCTGCAAAAGGCAGTAGAAAAAGCCGCGAAAGTCAATGCC
 CCGCACGCGGAGACTCATCTGTCCCAAGAGCCGTGGAGAAAGCCGAGAAAAAGAACTGGAAATCGTACC
 CATCGAGAAAGACGATTCCAACCGAAGTTACAACATTATCCAGGCACAACAGACACCCTGTACAGGTCC
 TGGTACCTCTCTATACTTATGGAGACCCCAAGAAAGGTGTGCAGAGTTGGACCTTGTGACCACCTCCGG
 ACGTTACTTGCAGTGTGAGCAAGTCTACTGGTCCCTTCTGATCTGATGCAAGACCCCGTACATTTCG
 GTCTACCCAGCAGGTGTCTAACTACCCGGTGTGCGGGTGAACCTCATGCCCTTTCGCGCAAAATCCTTT
 TACAACGACCTTGCAGTGTATAGTCAGCTGATCCGCAGTTACACCTCTCTGACACACGTGTTCAACCGAT
 TTCCAGATAACCAGATTCTGCGCCCGCCCGGCACCTACAATTACTACCGTTAGCGAAAACGTCCACGC
 TCTGACCGATCATGGCACTCTGCCATTGAGGTCTCTATTCGCGGGTCCAGAGGTAACCGTGACAGAT
 GCCAGGAGGAGAACTTGCCCATACGTTTATAAAGCTCTTGGCATAGTGGCACCCCGCTCTCCAGCC
 GAACCTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC100156 representing YP_003038607
 Red=Cloning sites Green=Tags

MRRAVVSSPPPSYESVMAQATLEVFPVPPRYMAPTEGRNSIRYSELAPQYDTRVYLVDNKSADIASLNY
 QNDHSNFLTTVVQNNDFTTAEASTQTINFDESRWGGDLKTIILHTNMPNVNEYMFTSKFKARVMVARKHP
 EGDVNTDLSQDKLEYQWFEFTLPEGNFSETMTIDLMNNAILENYLQVGRQNGVLESDIGVKFDSRNFKLG
 WDPVTKLVMPGVYTYEAFHPDVLLPGCGVDFTESRLSNLLGIRKKQPFQEGFRIMYEDLEGGNIPALLN
 VTKYLESKKTLLQAVENAAKVNAPARGDSSVPRAVEKAAEKELEIVPIEKDDSNRSYNIIPGTTDTLYRS
 WYLSYTYGDPKKGVSQWTLTTPDVTGAEQVYWSLPDLMQDPVTFRSTQQVSNYPVGAELMPFRAKSF
 YNDLAVYSQLIRSYTSLTHVFNRFDPNQILCRPPAPTITVSENPALTDHGTPLRSSIRGVQRVTVTD
 ARRRTCPVYKALGIVAPRVLSSRTF

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NC_012959

ORF Size: 1548 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_012959.1, YP_003038607](#)

RefSeq ORF: 1548 bp

MW: 58.3 kDa