

Product datasheet for **VC102283**

P3 (NC_006500) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	P3 (NC_006500) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	P3
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 VC102283 represents NCBI reference of YP_145801 with codon optimized for human cell expression
 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGGCCTTCCTGACCATCCTCGTGCTGTTCTGTTCAAGGAGGTGCTGTGCGAGCCTTGATCTGCGAGA
 ACCCTACCTGCCTCGGGATTACCATCCCCAAGCCGGCTTTGTGCGGAGCGCCCTGGGGCGCTCCTGCT
 CACCGAGACTATCACCGAGAGACCCAGCTGACCGAGTGGACCACCAGCCGGCCCAAGCTGGAGGAGACA
 CTCTGGCTGGATGGCGAGACCAAGAACGGCAAAGTGAGCCAGACCCTGTTTCGAGGCCATCCAGGGCACCC
 AGATGGAGAACTGCGCCGTCAAGGCCGTGCTGGACACAACCTTCGTGAATCTACCAAGCAGGACATTGT
 GCTCGGCAAAATCAAGGTGTCCGAGTTCGGGGGCGACTCCGACATTTCCAAGTCCGGCAGAAAGGGCCTG
 AAGGTCTTCATTTGTGGCGAACCCTGGGCTACGTCACACGGGGTGCCTCCCGAGGAGTGCAAGGGCA
 AGAAGGGCCGGATGATGGCCCTGGAGCCACCACTGACTGCGGCGTCGAAAGGGACTGACCACCGACCG
 GATCAAGACCGGATGCTGGACATCACCAGCTGCTGTACCAACACGGCTGCACCAAGGGATCCGGGTG
 GAGGTGCCAGCCCCGTGCTCGTGTCCAGCAAGTGCCAGGAGGTGACCTTCGGGTGGTGCCTTTTACA
 GCGTGCCCGACAAGCTGGGCTTCGCCCGGACCTCCAGCTTCACCTGAAGGCCAAGTTCGTAACAAGCA
 CGGCTGGAGCAAGTACAACCTCAACCTGCGGGGCTTCCCGCGCAAGAGTTTCATCAAGTGTTCGGCTTT
 ACCCTGGGCGTCGGGGGCGCCTGGTTCAGGCCTACCTCAACGGCATGGTGACGGCGACGGGGCGCCT
 CCGCCGACGACGTCAGGAGAAGCTCAACGGCATCATCGACCAGATCAACAAGGCCAACACCTGCTCGA
 GGGCGAGATCGAGCCGTGCGGCGGATCGCCTACATGAACCAAGCCAGCTCCCTGCAGAACAGGTGGAG
 ATCGGCTGATCGGCGAGTACCTGAACATCAGCAGCTGGCTGGAACACCAACCTGACCAAGACCGAGG
 AGGGCCTGATGAAGAACGGCTGGTGCCAGTCCAACACCACTGCTGGTGCCCAACCAAGCCAACCATTTGT
 GCCCACCATCGGCTACGTGGACAGCATCAAGGAAGTACCAGGCTAGCTGGTGGATGGTCATGATCCAT
 TACATCATCGTCGGCCTGATCGTGATCGTGGTCTGGTGTTCGGCCTGAACTCTGGGGTGCCTCCGGC
 GG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC102283 representing YP_145801
 Red=Cloning sites Green=Tags

MAFLTILVLFKEVLCPEICENPTCLGITIPQAGFVRSAPGGVLLTETITERPQLTEWTTSRPKLEET
 LWLDGETKNGKVSQTLFEAIQGTQMENCAVKAVLDITTFVNLTKQDIVLGKIKVSEFGGDSISKGRKGL
 KVFICGGTVGYVTRGCPPEECKGKGRMMALEPTTDCGVEKGLTDRIKTGMLDITSCCTQHGTGKIRV
 EVPSPLVSSKQEVTFRVVPHSVDPKLGARTSSFTLKNFVNKHGWSKYNFNLRGFPGEFEEKCCGF
 TLGVGGAWFQAYLNGMVQGDGAASADDVKEKLNGIIDQINKANTLLEGEIEAVRRRIAYMNQASSLQNVQVE
 IGLIGEYLNISWLETTTLTKTEEGLMKNGWCQSNTHCWPCKPTIVPTIGYVDSIKEVTGTSWVMVMIH
 YIIVGLIVVVVVFGLKLWGCLRR

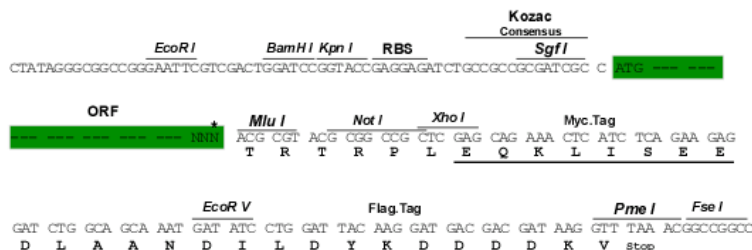
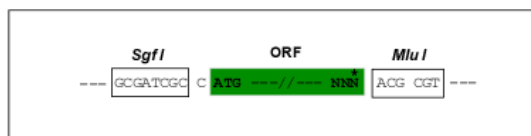
TRTRRLE**QKLISEEDLAANDILDYKDDDDKV**

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NC 006500

ORF Size: 1332 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 006500.1, YP 145801

RefSeq ORF: 1332 bp

Locus ID: 3170815

MW: 48.8 kDa