

Product datasheet for **VC102284**

P2 (NC_006501) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	P2 (NC_006501) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	P2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>The Viral ORF clone VC102284 represents NCBI reference of YP_145802 with codon optimized for human cell expression
 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGGACAACCTCCGGGAGTGTATCAATAGAAAACGGAGACTGCTCGCTCTCCCGATGTGCCAGAGACTA
 GCGACGCCTTTCTGAGCGACCTGCGGCACCTGTACATGTGTGTGGCCTTTGTGACCAGCACAAAGACCAC
 TGGAGACGAGAGCCGTTTACCAATCTGGAGCTCCTCGACCAGGACGAGGCTCTCGGGGCCAGCGGGCC
 TTCGAGGCTAAGCACGGGATCAAGGGGGGACGCTGGGCGACGTGCTGGACCACGAACTGAAAAAGTGA
 TCGAGTTCACCTTCACTTCCGGCTCCCTGTACATTGCCGAGCAGCGGAAGCGGAAGACCAAGCTGACTC
 CATCATCGTGTGCGTGTCCGAGGGCCTCAACGATTTAGCGTGAGCCACGGCGTGTCTGACATGGGACTC
 GTCGAAACCGGCGTGAACGCCGTGCGGGATTTCTGCACCCAGAACGGCATCCCCATGAAGATCAACCAGG
 TGGGCTCCACCCGACCCCAATCAGCACCTGCAAGATCAGCGAACAATCACCCGGCAGATCAA
 CAGCACAATCACCGAGAGAAAGATGGAGACCGTGTGGCTGCCATCGCCATCAAGCCGAACTCAAGTAG
 ACCCAGAAGGGTGTGTAGTGTCAAAGAGCTCGAGGACGAGAATCTGTGGATGGACCCCAAGTTTT
 GCGAGATTGACGAGTCTTCCCTACCGGGGGGACCCTACGGCAACTTCTGCAGGAGCTGCTCCTCAC
 AACCAACGACGTGGAGACCAACGAAAGGACCGGGAGGAGGTCGTGAAGTGAATCCTGGACAACAAGGCA
 TTCACCGTGGAGTCCGGCGAGTGCATCATACCCTGCCGACAAAATGACCTGTTTCCGGCAGCAGGAAA
 AGAAGCGGCCGCCACCATCGACGAGGTGCGGACAGCCGGCGAGCGGTTTCGAGCAAAGCGTCAAGCCAAA
 GACCCAACGGTACGGACGGCTGAGCGATAAGTGGATGGAGCTCGAAAAGTTCATTTTACCGCCAGCAAG
 ACTGAGGTGGACACCTTCTGAGCGTCCGGACCGAGCGGCTCGAAAGCGTGGGAGTGTGCGTCCGAGCTC
 TGCACAGAGCAACAACCCGGATCATCCGGCCATGATCCAGGGCGGCAAGTGTGGGCATGATGTT
 CAAGACCAAGAGCAAGATGGGCGATACACGGAAGGAAGGCTACTGCCACGCCATCATCTTCGCAAGGGC
 GAGGACAAGAGCGGCCAGAAACAAGATGACCATGATGGGCAAGACCGTGCCTGGCACCTGCGGGTGGTGA
 AGAGCAAGGGCGACTGGATGGCCAGCAGCTGTGCGCCAACAAGAGCCGGATCTGGCAGCAGCATCCCGA
 GCTCGTACCCAGGGGTGACTGTGCTGATGACCCCTTACGCCAGAAGATCGCAACCATCAGCCGGTGG
 CGGCCATGCGGCTCGACTCCATGTTCCACGTGAGCAGCGCTGGCACACAGCCCTGCCTGCGAGGCCG
 CCAGCGCCATGCTGCGGAAGTTCGTGGAGATCGTGCACGCCATCAACCAGAAGCGGGACTGGGGCGTGT
 CGGCTCCATGGAGGACATGGTGAAGAAGTCGAGGAGATCGGCGAGCACCTGCAGACCCCTGCGACTTC
 CGGGTGTACAACATGATGAAGGCACTATCCAGAAAATCGCTGTGTCCACACAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC102284 representing YP_145802
 Red=Cloning sites Green=Tags

MDNLRRECINRKRLLALPDVPETSDAFLSDLRHLVYMCVAFCDQHKTTGDESFRFTNLELLDQDEALGAQRA
 FEAKHGIKGSLGDVLDHELKVKIEFTFTSGSLYIAEQRRKKTQADSIIIVCVSEGLNDFSVSHGVLDMGL
 VETGVNAVRFCTQNGIPMKINQVVGSTRTPITSTCKISEQITRQINSTITERKMETVLAIAIKPELK*
 TQKGC**CKELEDENILWMDPQFCEIDESFPYRGGPYGNFLQELLLTTNDVETNGKDREEVVK*ILDNKA
 FTVESGECIITLPDKMTCFGEQEKRPATIDEVRTAGERFEQSVKPKTQRYGRLSDKWMELEKFIPTASK
 TEVDTFLSVGTTERLESVGVVGVGALHRATTTIRPMIQGKCGWMMFKTKSKMGDTRKEGYCHAIIFGKG
 EDKSGQNKMTMMGKTVHWHLRVVKSKGDWMAQQLCANKSRIWQHDPQLVTEGVTVLMTPFSQKIATISRW
 RAMRLDSMFHVSSAWHSPACEAASAMLRKFVEIVHAINQKRDWGVVGSMDVMKEVEEIGEHLQTACDF
 RYYN*CKALIQKIAVSTQ

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/ja1879_d09.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NC_006501

ORF Size: 1734 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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_006501.1, YP_145802](#)

RefSeq ORF: 1734 bp
Locus ID: 3170932
MW: 65.3 kDa