

Product datasheet for **VC102148**

p24 CA (NC_001436) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	p24 CA (NC_001436) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	p24 CA
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC102148 represents NCBI reference of NP_955618 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCAGTGATGCATCCCCATGGAGCCCCCTAATCATAGGCCCTGGCAAATGAAGGACCTCCAAGCAA
TAAACAAGAGGTCTCCCAGGCTGCCCGGATCCCCGCAATTCATGCAAATATTAGACTTGCAGTCCA
GCAGTTTCGATCCTACCGCTAAAGACCTCCAAGACCTGCTCCAGTACCTGTGTAGTTCACTGGTTGCGTCC
CTCCATCATCAGCAGCTCGACTCACTGATCAGCGAAGCTGAGACCCGGGAATTACAGGATAACAATCCAC
TTGCCGGGCCGCTGCGGGTGCAGGCAAACAATCCCCAGCAGCAGGGACTGCGGCGCGAGTATCAGCAGCT
GTGGCTTGCGGCCTTTGCCGCACTGCCCGCTCCGCCAAGGATCCATCATGGGCTTCAATCCTGCAAGGG
CTTGAGGAGCCTTACCACGCCTTCGTAGAGCGATTGAACATTGCACTGGACAATGGGCTGCCTGAAGGAA
CGCCTAAGGACCAATTCTCCGACGCTGGCGTATTCTAATGCTAACAAGGAGTGCCAGAAACTGCTGCA
AGCCCGGGGACATACAACTCTCCACTTGGCGACATGCTGAGGGCATGCCAGGCTTGACACCGAAGGAT
AAAACAAGGTGCTGGTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >VC102148 representing NP_955618
 Red=Cloning sites Green=Tags

MPVMHPHGAPPNHRPWQMKDLQAIKQEVSAAPGSPQFMQTIRLAVQQFDPTAKDLQDLLQYLCSLVLAS
 LHHQQLDSLISEAETRGITGYNPLAGPLRVQANNPQQQLRREYQQLWLAFAALPGSAKDPASWASILQG
 LEEPYHAFVERLNIALDNLPEGTPKDPILRSLAYSANKECQKLLQARGHTNSPLGDMLRACQAWTPKD
 KTKVLV

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NC_001436

ORF Size: 648 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_001436.1, NP_955618
RefSeq ORF: 648 bp
MW: 24.0 kDa