

Product datasheet for **VC100545**

NP1 (NC_012042) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NP1 (NC_012042) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	NP1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC100545 represents NCBI reference of YP_002586774 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCCTCAGAATCTATGAAGAATAAACATAGAAATTCTAAACGGACCCCTAGCCCTCTGCAAAGGAAC
GGAGACGGAAC TGGGAAAGTCATAAATCTAGGTCCCGGTCTCCAATCCGAAGGCATGGAGAGAAGAACCT
TGAGTAGCCCATCACTCTAATCAGGAAAACGCCAGTCATCCTACACCGCGCTCAAGACCTCAGATCAG
GCCACAAAACAAGGAAAAAATTCGGTGGCAATCGGACTAATCCTTACACAGTATTCTCTCAACATC
GCGCGAACCATAGCGATGCTCCCGGCTGGTGTGGCTTCTACTGGCACAGCACAGGTTGGCAAGAGATGG
GACGAACTGCATTTTCAACGAAATGAAACAGGAGTTTCAGGAACTGCAGATTAACGGGAAGATTACATGG
GACAACGCACGAGAATTGCTTTTTTCTCAGAAAAAAGCTTGACCAGAAATACCGGAACATGCTGTATC
ATTTTCGACACAGTCCTGACTGCCCTCGCTGCGACTACTGGGATAATGTCTATAGCGGCACCTTGCTCA
TGTATCCAGCCAAGAGTCAGAAGAGGTGACAGACGAGGAGATGCTGAGTGCTGTCGAGAGTATGGACT
AACGCCAGCAAT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >VC100545 representing YP_002586774
 Red=Cloning sites Green=Tags

MSESEMKNKHRNSKRTSP LQKERRRNWESHKRSRSP IRRHGEKNLEYAHSNQENRQSSYTALKTSDQ
 ATKTKKETSGGNRTNPYTVFSQHRANHS DAPGWC GFYWHSTR LARDGTNCFNEMKQEFQELQINGKITW
 DNARELLFSQKKKLDQKYR NMLYHFRHSPDCPRCDYWDNVYRRHLA HVSSQSESEEV TDEEMLSAVESMDT
 NASN

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NC_012042

ORF Size: 642 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_012042.1, YP_002586774
RefSeq ORF: 642 bp
Locus ID: 7755623
MW: 25.3 kDa