

Product datasheet for **VC100549**

NP1 (NC_012564) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NP1 (NC_012564) 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 VC100549 represents NCBI reference of YP_002808455 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGAGCTCTGGCAATACCAAGGATAAACACCGAGCATATAAAGAAAGGGAAGCCCCGGCCGGGATGAGC
GGAAGCGGCCTTGGCAACCACATCACCGAAGTAGGTCAAGGTACCCATTTCGGCGATCAGGCGAGACTTC
TAGTGGATCTTATCGGCAAGAACATCAAATCTCACTTGTCTTCATGCACAGCCTCAAAGATCTCCGAT
CCAGTTACCAAACTAAAGAGAACACATCCGGCAAAGAGATAGCCGGACCAACCCCTACACAGTTTTTT
CTCAGCACAAAGGCATCCCATCCCGATGCCCGGGCTGGTGCAGTTTTTACTGGCACTCTACCAGGATTGC
CAGAAATGGCACAAATGCTATTTTCAACGAGATGAAACAGCAGTTTCAACAGCTCCAGTTGGATAACAAG
ATAGGATGGGATTCAGCCAGGGAGCTGCTTTTTAGCCAAAAGAAGAGCTTGGACCAGCAGTATCGAAACA
TGTTTTGGCACTTTAGGAACGCTTCTGATTGTGAAAGGTGCAACTACTGGGATAACGTGTATCGCATGCA
TCTTGACATGTGTCTCCAGACCGAGTCCGAGGAAATCACAGACGAAGAGATGCTGTCTGCCCGCAA
TCTATGGAGACAGACGCCTCCAAT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >VC100549 representing YP_002808455
 Red=Cloning sites Green=Tags

MSSGNTKDKHRA YKRK GSPGRDERKRPWQPHHRSRSRSPIRRSGETSSGSYRQEHQISHLSSCTASKISD
 PVTKTKENTSGKRDSRTNPYTVFSQHKASHPDAPGWCGFYWHSTRIARNGTNAIFNEMKQQFQQLQDNK
 IGWDSARELLFSQKSLDQQYRNMFWHFRNASDCERCNYWDNVYRMHLAHVSSQTESEEITDEEMLSAE
 SMETDASN

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NC_012564

ORF Size: 654 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_012564.1, YP_002808455
RefSeq ORF: 654 bp
Locus ID: 7768237
MW: 25.4 kDa