

Product datasheet for **VC100541**

NSMP-4, non-structural mature protein 4 (NC_001943) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NSMP-4, non-structural mature protein 4 (NC_001943) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	NSMP-4, non-structural mature protein 4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC100541 represents NCBI reference of NP_751904 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGATCAATGGCATCCTGGCGCCCTTCTGCAAAAAAGAAGGGAAAAACCAACATGGCAGGGGCCGAG
 TTCGAAGGAATCTGCGGAAAGGTGTGAACTGCTCACGGAGGAGGAGTATAGAGAGTTGCTGGAGAAAGG
 GCTTGACAGGGAAACATTCCCTTGATTGATTGATCGGATCATTGGCGAGCGGTCTGGTTACCCAGATTAT
 GACGATGAAGACTACTACGACGAGGACGATGACGGCTGGGGTATGGTGGGGGACGACGTCGAGTTTGACT
 ATACAGAGGTTATCAACTTTGATCAGGCTAAACCAATTCCCGCTCCGAGGACTACTAAGCAGAAGATCTG
 CCCAGAACCTGAAGTTGAGTCCCAGCCACTGGATCTGTACAGAAAAAGGAGAAGCAGTCTGAGTATGAG
 CAGCAAGTTGTTAAAAGCACCAAGCCGACGCAACTTGAACACGAGCAACAGGTCGTTAAACCCATAAAAC
 CCCAGAAGAGCGAGCCCCAGCCATATCCAGACCTATGGCAAAGCTCCTATTTGGGAGTCTTATGACTT
 TGACTGGGACGAGGATGACGCAAAGTTCATTCTGCCAGCACCGCACCGTTGACCAAGGCCGATGAGATA
 GTTCTGGGTAGTAAGATCGTTAAGCTGCGGACCATAATCGAGACGGCTATAAAACACAGAATTATAGCG
 CCCTGCCTGAAGCCGTGTTGCAACTTGACAAAGCAGCATATGAGGCCGGCCTGGAAGGCTCCTGCAGAG
 AGTTAAAAGCAAGAACAAGCCCTGAAAAACAGGGG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA


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Protein Sequence: >VC100541 representing NP_751904

Red=Cloning sites Green=Tags

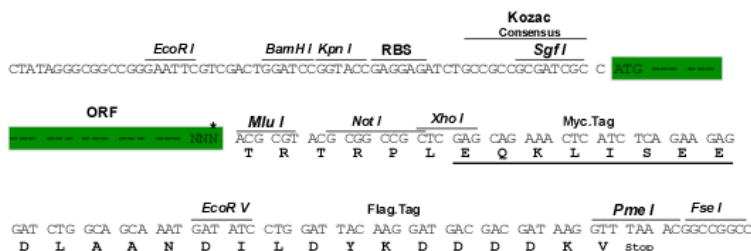
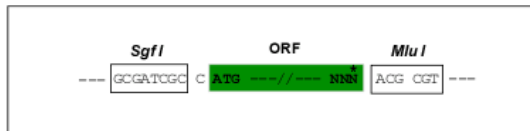
MINGILAPFLQKKKGKTKHGRGRVRRNLKGVKLLTEEEYRELLEKGLDRETFLDLIDRIIGERSGYPDY
DDEDYYEDDDGWMGVDDVEFDYTEVINFDQAKIPAPRTTKQKICPEPEVESQPLDSLQKKEKQSEYE
QQVVKSTKPQQLHEQQVVKPIKPQKSEPQPSQTYGKAPIWESYDFDWEDDAKFILPAPHRLTKADEI
VLGSKIYKLRITIIETAIKTONYSALPEAVFELDKAAEAGLEGFLORVKSNNKAPEKOG

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NC 001943

ORF Size: 807 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_001943.1, NP_751904
RefSeq ORF: 807 bp
MW: 31.0 kDa